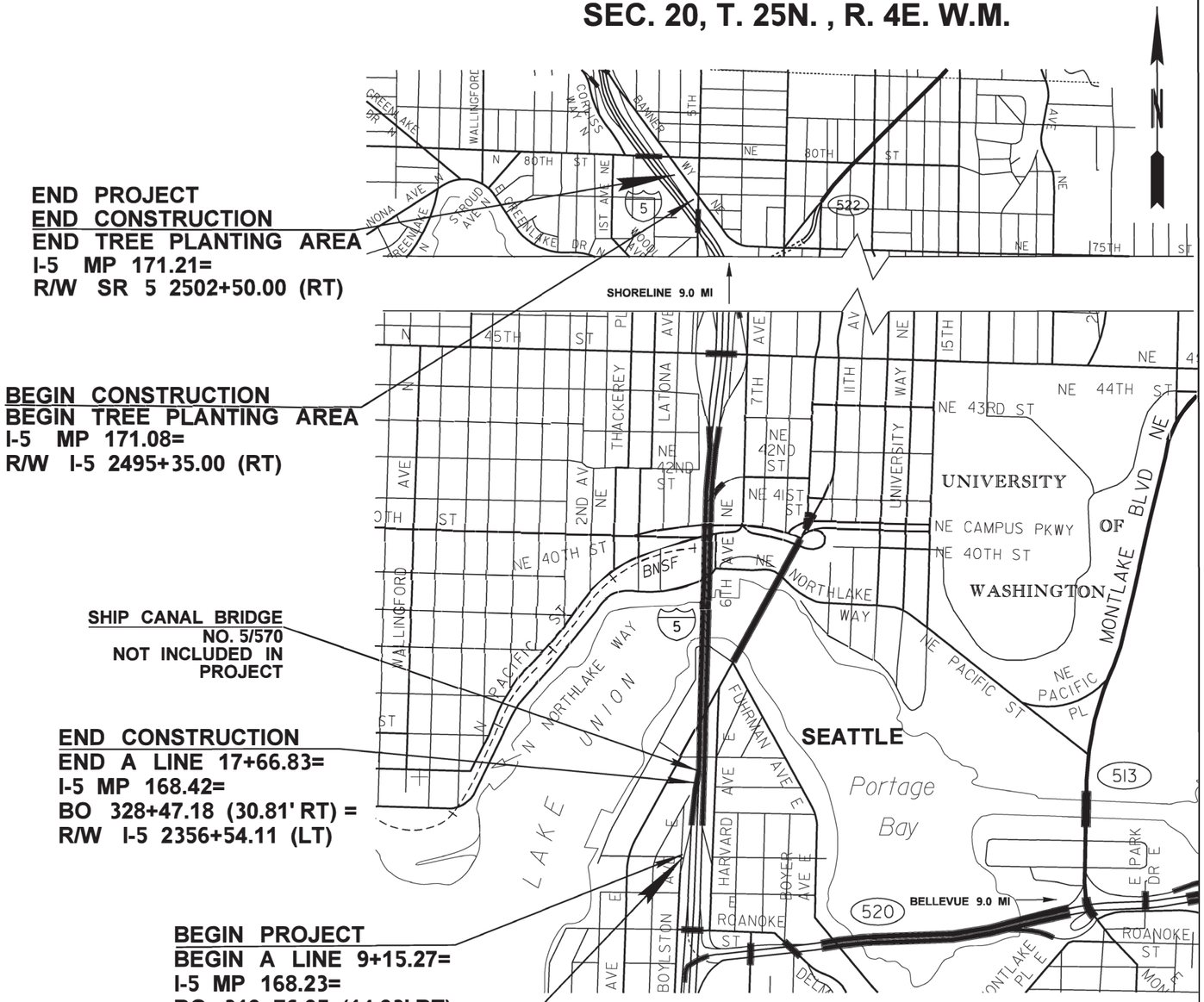
INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
		VOLUME 1
1	IN1	INDEX / VICINITY MAP
2 - 3	SQ1 - SQ2	SUMMARY OF QUANTITIES
		VOLUME 2
4	IN2	INDEX / VICINITY MAP
5	CT1	CERTIFICATION SHEET
6 - 7	RS1 - RS2	ROADWAY WALL SECTION
8	AL1	ALIGNMENT AND RIGHT OF WAY PLAN
9	QTSP1	QUANTITY TABULATION - TESC / SITE PREP
10	SP1	TESC / SITE PREP / UTILITIES
11	SPD1	SITE PREP DETAIL PLAN
12 - 16	SPTP1 - SPTP5	SITE PREP / TREE PROTECTION DETAILS
17	FS1	FIRE STANDPIPE RELOCATION DETAIL
18 - 19	CA1 - CA2	ACCESS PLAN
20 - 22	EL1 - EL3	ELECTRICAL AND SIGNING PLAN
23	LS1	LANDSCAPE PLAN
24	LS2	TREE PLANTING PLAN
25 - 26	LD1 - LD2	LANDSCAPE DETAILS
27	GR1	GRADING PLAN
28	W1	NOISE WALL A LAYOUT 1 OF 2
29	W2	NOISE WALL A LAYOUT 2 OF 2
30	W3	TYPICAL SECTIONS
31	W4	REINFORCEMENT BAR. DETAILS
32	W5	MISC. DETAILS 1 OF 2
33	W6	MISC. DETAILS 2 OF 2
34	AR1	ARCHITECTURAL ELEVATIONS
35	AR2	NOISE WALL A ARCHITECTURAL DETAILS
36 - 51	TC1 - TC16	TRAFFIC CONTROL PLAN
52	DT1	DETOUR PLAN

SEC. 20, T. 25N. , R. 4E. W.M.



NOTES:
1. FOR CONSTRUCTION ALIGNMENTS, SEE SHEET AL1
2. FOR DETOUR, SEE SHEET DT1

NOTES:
ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

0 1000 2000
SCALE IN FEET

PLAN REFERENCE NO.
SHEET OF SHEETS

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_VM.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	2:06:05 PM				10	WASH	
DATE	12/23/2023				JOB NUMBER		
PLOTTED BY	yuangel				23A009		
DESIGNED BY	M.D. LONG/Y. DAMTE				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

INDEX / VICINITY MAP

Plot 2

PLAN REF NO
IN2

SHEET 4 OF 52 SHEETS

PROJECT LICENSED PROFESSIONAL CERTIFICATES

Adam Emerson Jan 16, 2024 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	DUKE H DO Jan 11, 2024 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Lindsey Jungbluth Jan 11, 2024 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	SAEED JAVIDI SAEED JAVIDI (Jan 12, 2024 09:29 PST) SAEED JAVIDI Jan 12, 2024 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.

NOTES:

THIS PLAN SET WAS DEVELOPED ELECTRONICALLY UNDER THE DIRECT SUPERVISION OF THE LICENSED PROFESSIONALS THAT HAVE AFFIXED THEIR SIGNATURE TO THIS PAGE.

THIS SHEET SERVES AS THE CERTIFICATION BY THE ABOVE LICENSED PROFESSIONALS OF ALL SHEETS IN THIS PLAN SET WHERE THEIR STAMPS AND SIGNATURES APPEAR.

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_VM.dgn
TIME	11:17:37
DATE	12/21/2023
PLOTTED BY	mangaha
DESIGNED BY	M.D. LONG
ENTERED BY	M.D. LONG
CHECKED BY	A. YU
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER: 23A009		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

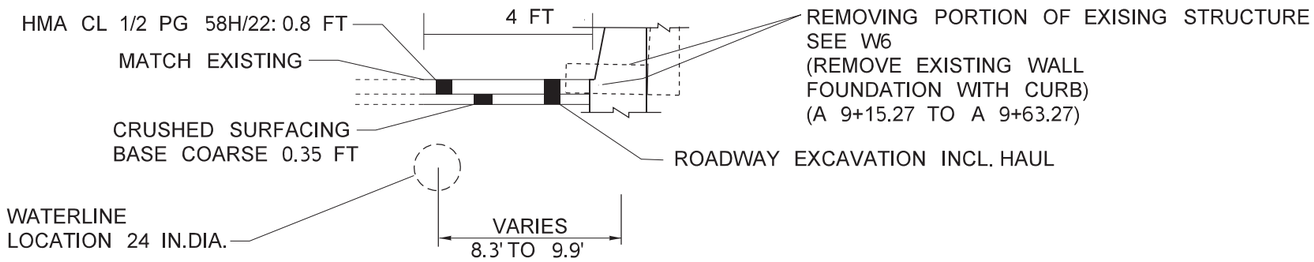
Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

CERTIFICATION SHEET

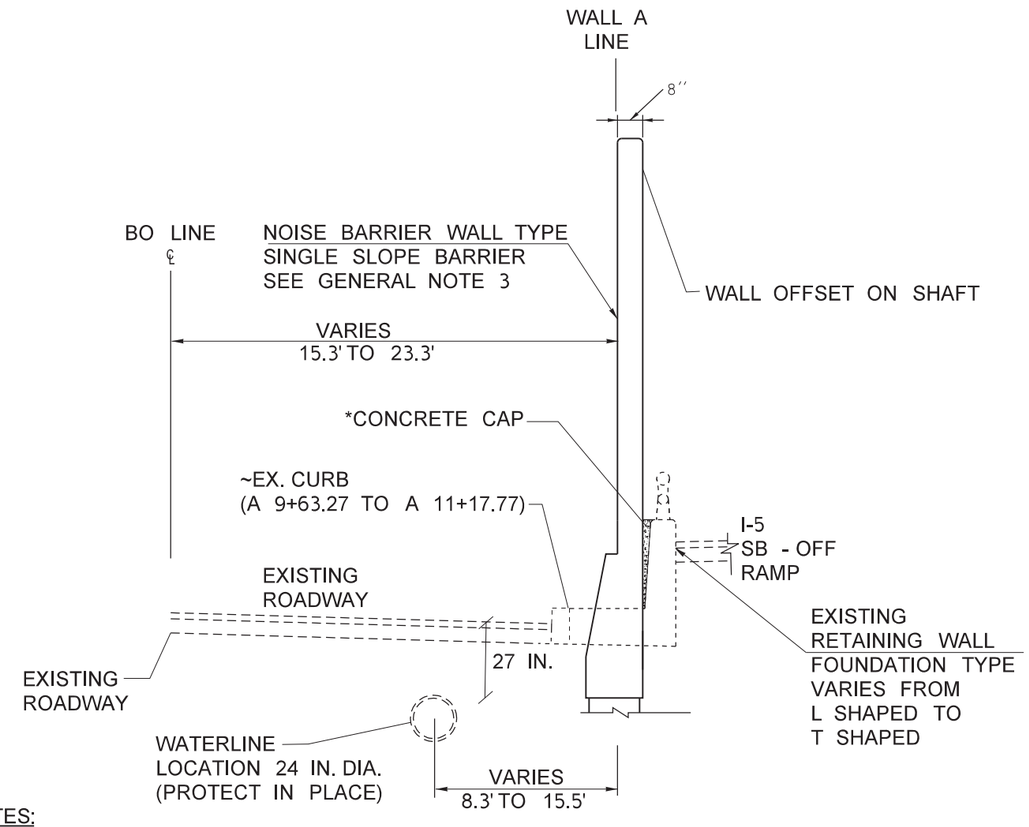
PLAN REF NO: CT1

SHEET 5 OF 52 SHEETS



SECTION A

A 9+15.27 TO A 9+63.27

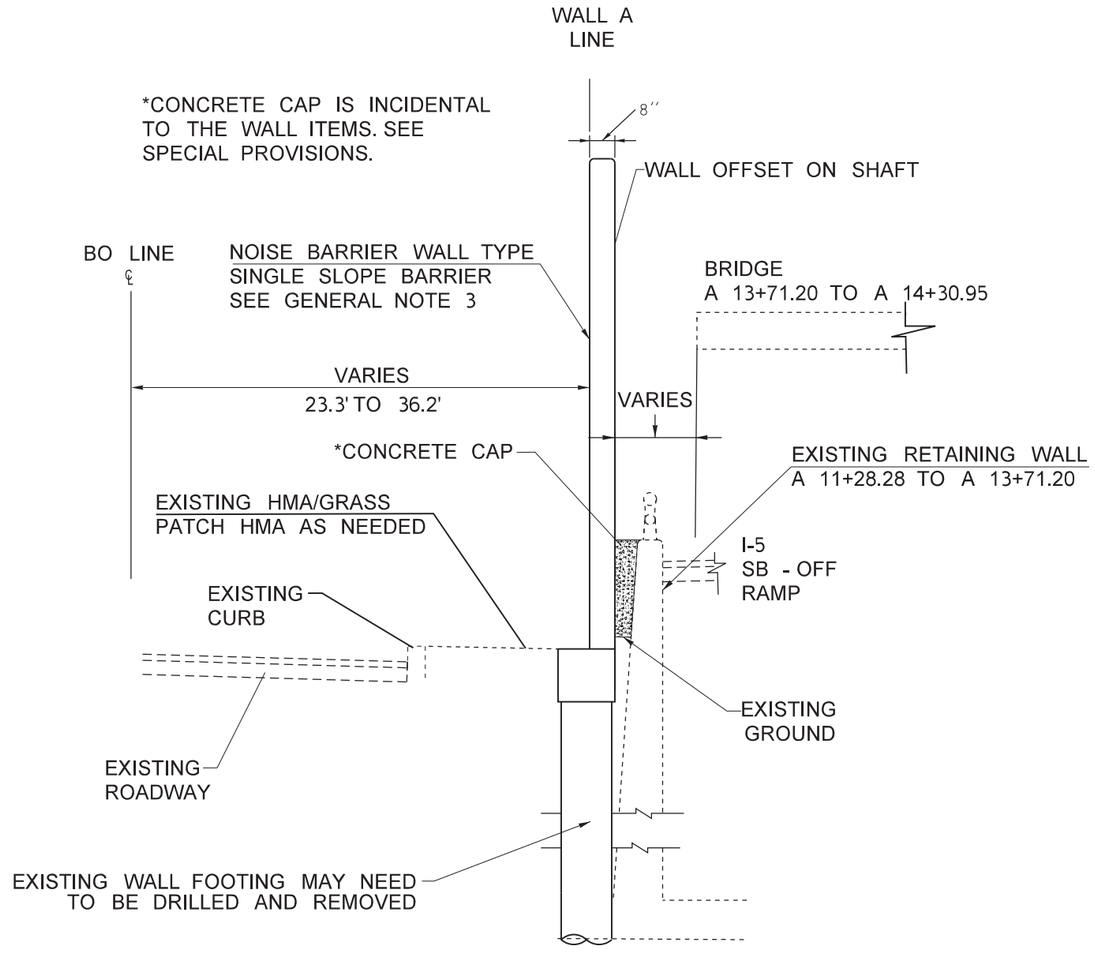


SECTION B

A 9+63.27 TO A 11+17.77

BO 319+76.95 TO BO 321+79.40

*CONCRETE CAP IS INCIDENTAL
TO THE WALL ITEMS. SEE
SPECIAL PROVISIONS.



SECTION C

A 11+17.77 TO A 13+69.29

BO 321+79.40 TO BO 324+27.33

GENERAL NOTES:

1) DRAWING NOT TO SCALE.
2) UNITS ARE IN FEET UNLESS OTHERWISE NOTED.
3) SEE NOISE WALL PLAN AND PROFILE FOR NOISE WALL DETAILS.
4) SEE SPECIAL PROVISIONS
5) SEE W3 FOR WALL SECTION DETAILS

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_RS.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:24:10 AM						
DATE	1/8/2024				JOB NUMBER 23A009		
PLOTTED BY	longm						
DESIGNED BY	M.D. LONG/Y. DAMTE				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

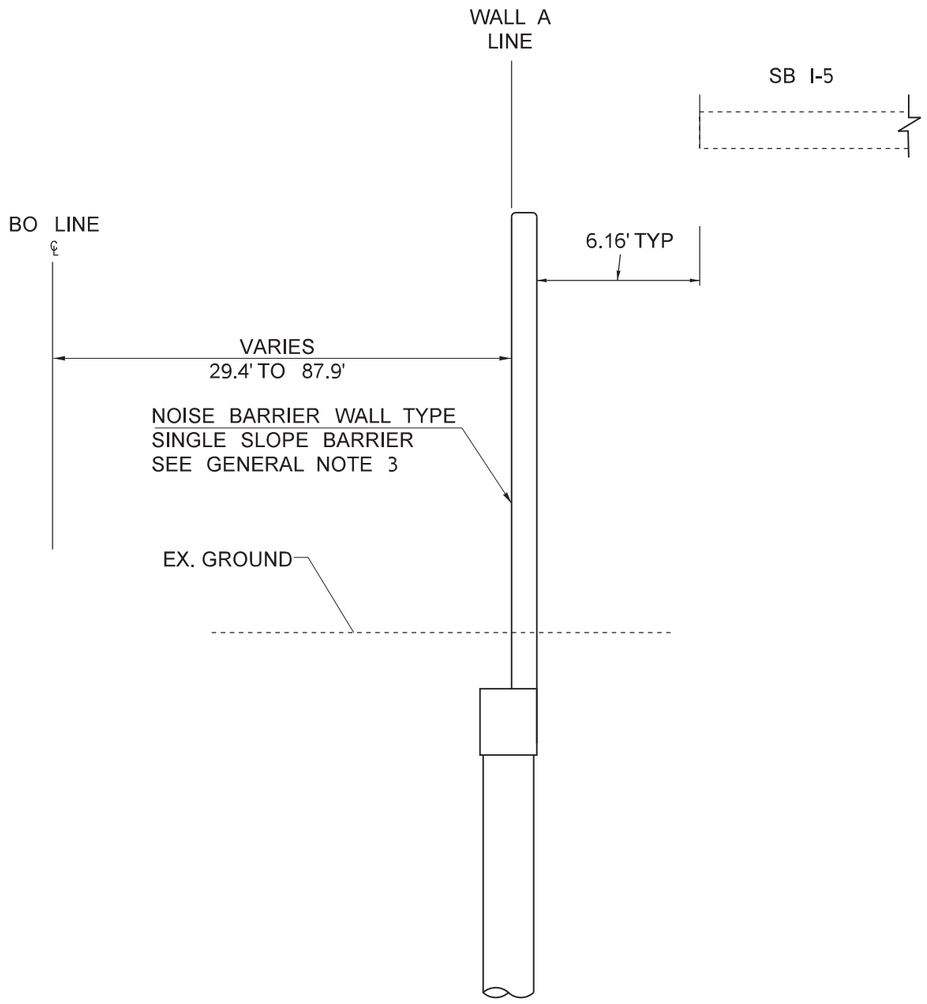
ADAM A. EMERSON STATE OF WASHINGTON 55567 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1 DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

ROADWAY WALL SECTION

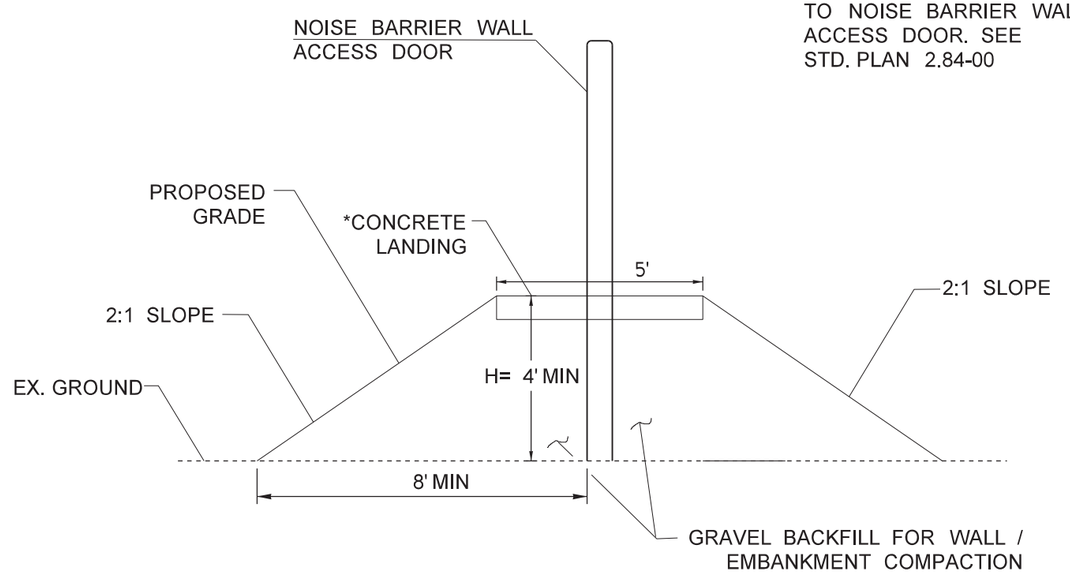
Plot 1
PLAN REF NO RS1
SHEET 6 OF 52 SHEETS



SECTION C

324+27.33 TO BO 328+47.18 (30.81' RT)

*COST OF CONCRETE LANDING IS INCIDENTAL TO NOISE BARRIER WALL ACCESS DOOR. SEE STD. PLAN 2.84-00



SECTION D

GRADING SECTION AT NOISE WALL ACCESS DOORS
(A 13+99.29, A 15+08.83)
SEE BRIDGE PLAN W2, W6

GENERAL NOTES:

1) DRAWING NOT TO SCALE.
2) UNITS ARE IN FEET UNLESS OTHERWISE NOTED.
3) SEE NOISE WALL PLAN AND PROFILE FOR NOISE WALL DETAILS.
4) SEE SPECIAL PROVISIONS FOR VIBRATION REQUIREMENTS.
5) SEE W3 FOR WALL SECTION DETAILS.
6. SEE GR1 FOR GRADING PLAN.

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_RS.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:24:25 PM				10	WASH	
DATE	12/26/2023				JOB NUMBER		
PLOTTED BY	yuangel				23A009		
DESIGNED BY	M.D. LONG/Y. DAMTE				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

ROADWAY WALL SECTION

Plot 2

PLAN REF NO
RS2

SHEET 7 OF 52 SHEETS

SEC. 20, T. 25N. , R. 4E. W.M.

BEGIN CONSTRUCTION
I-5 MP 168.21
BO 318+67.00 =
R/W SR 5 2346+94.00 (LT)

BEGIN PROJECT
BEGIN A LINE 9+15.27=
I-5 MP 168.23=
BO 319+76.95 (14.93' RT)=
R/W SR 5 2348+04.00 (LT)

SURVEY CONTROL POINT DATA

COORDINATE SYSTEM		ITEM	GP 17005-128	9544 (HAMLIN ST)
	LOCAL	NORTHING (LY)	566234.033	567147.972
		EASTING (LX)	1601289.097	1601264.779
		ELEVATION (LZ)	153.33	139.865
	STATE PLANE	NORTHING (SPY)	238144.517	239058.754
		EASTING (SPX)	1273172.710	1273148.776
		ELEVATION (SPZ)	153.33	139.86
	CONVERSION	COMBINED FACTOR (LOCAL TO STA. PLANE)	0.999974039	0.999974039
		ROTATION ANGLE (LOCAL TO STA. PLANE) (CCLOCK=+,CLOCK=-)	0 Deg.	0 Deg.

0 30 60
SCALE IN FEET

DATUM
(NAVD) 88
(NAD) 83/91

MONUMENT IN CASE
BO 321+71.38 (0.57' RT)

N °1 11' 26.02" E

BO 321+71.32

E. HAMLIN ST

RIGHT OF WAY & BOYLSTON AVE E CENTERLINE

BO 326+12.87

BO 326+59.43

N °1 11' 26.02" E

FRANKLIN AVE E

N° 29 23' 19.10" E

BO 327+83.53

A 11+17.77

SR 5 2354+39.23 (135.59' LT)

320

N° 1 11' 46.70" E

10

BO LINE

325

BOYLSTON AVE E

N° 20 32 45.74" E

N°3 31' 08.59" E

I-5 SB OFF RAMP

N° 11 12' 29.60" E

A 14+17.29

LIMITED ACCESS

SR 5 2354+40.02 (115.0' LT)

N° 11 17' 05.24" E

N° 43 53' 08.15" E

15

N° 1 49' 21.40.00" E

SB I-5

A 13+48.09

N° 20 57' 03.82" W

A 14+30.83

A LINE N° 5 30' 34.82" E

A 13+69.29

NOISE WALL

2350+43.89 P.I

N° 2 00' 08.64" E

R/W I-5

2350

N° 3 24' 00.0" E

END CONSTRUCTION
END A LINE 17+66.83=
I-5 MP 168.42.00=
BO 328+47.18 (30.81' RT) =
R/W SR 5 2356+54.11 (LT)

I-5 REVERSIBLE

CURVE DATA

P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH
I-5 2350+43.89	1° 23' 51.36" RT	7640	93.185	186.36

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_AL.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	11:02:04 AM				10	WASH	
DATE	1/8/2024				JOB NUMBER		
PLOTTED BY	longm						
DESIGNED BY	M.D. LONG/Y. DAMTE						
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	E. EMERSON				23A009		
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

ADAM A. EMERSON — STATE OF WASHINGTON — 55367 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1 DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

ALIGNMENT AND RIGHT OF WAY PLAN

Plot 1
PLAN REF NO AL1
SHEET 8 OF 52 SHEETS

QUANTITY TABULATION - TESC/ SITE PREP

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ➘ \ UNIT OF MEASURE ➢	CLEARING AND GRUBBING ACRE	REMOVING CONC. BARRIER L.F.		REMOVING CHAIN LINK FENCE L.F.	TEMPORARY CONSTRUCTION FENCE L.F.	INLET PROTECTION EACH	CHAIN LINK FENCE TYPE 3 L.F.	DOUBLE 20 FT CHAIN LINK GATE EACH		SELECTIVE CLEARING, GRUBBING, AND PRUNING ACRE	ADJUST INLET EACH	NO TRESSPASSING SIGN EACH				SEE GENERAL NOTES
SP1-1	BO 321+00 (20 RT) TO BO 324+25.8 (35.6 RT)	0.05															3
SP1-2	BO 325+00 (70 RT)												1				2
SP1-3	BO 325+76.6 (86.2 RT) BO 327+ 22.2 (78.4 RT)		268		268												3
SP1-4	BO 326+00 (70 RT)												1				2
SPD1-1	BO 320+32.5 (21.6 RT)						1					1					4
SPD1-2	BO 321+40.6 (16.1 RT)						1					1					4
SPD1-3	BO 321+40.6 (10.7 LT)						1					1					4
LS2	I-5 MP 171.08 - I-5 MP 171.21										0.6						
SPTP1-1	BO 319+74.0 (12.5 RT) TO BO 329+16.0 (33.3 RT)					954											5
SPTP3-1	BO 328+45.7 (32.0 RT) TO 328+63.8 (73.0 RT)							46									6
SPTP3-2	BO 328+45.7 (32.0 RT)								1								7
	SHEET TOTAL	0.05	268		268	954	3	46	1		0.6	3	2				
	PROJECT TOTAL	0.05	268		268	954	3	46	1		0.6	3	2				

GENERAL NOTES:

1. FOR HIGH VISIBILITY FENCE AND COMPOST SOCK QUANTITIES AND TABLES SEE SPTP3.
2. SEE STD. PLAN 1-10.10-01
3. SEE SPECIAL PROVISIONS FOR DELIVERY OF CONC. BARRIER TO WSDOT SITE.
4. SEE STD. PLAN I-40.20-00
5. TEMPORARY CONSTRUCTION FENCE SEE SPTP1 - SPTP3. AND SPECIAL PROVISIONS.
6. SEE STD. PLAN L-20.10-03
7. SEE STD. PLAN L-30.10-02

		DATE	DATE	REVISION	BY
DESIGNED BY	M.D. LONG				
ENTERED BY	M.D. LONG				
CHECKED BY	A. YU				
PROJ. ENGR.	A. EMERSON				
REGION ADM.	B.NIELSEN				

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	

JOB NUMBER 23A009

CONTRACT NO.

Washington State Department of Transportation

I-5
E. EDGAR TO E. GWINN PL
NOISE WALL

QUANTITY TABULATION - TESC/ SITE PREP

QTSP1

SHEET 9 OF 52 SHEETS

SEC. 20, T. 25N. , R. 4E. W.M.

LEGEND

EXISTING NOISE BARRIER WALL	EX. CAMERA	EXISTING POWER POLE
INLET PROTECTION	EXISTING PAINT LINE	EX. FIRE HYDRANT
EXISTING CATCH BASIN	EX. TRANSFORMER CABINET	EX. FIRE DEPT. CONNECTION PIPE
EXISTING MANHOLE	EX. CONTROLLER CABINET	EX. SANITARY SEWER
EXISTING CURB	EX. CABLE VAULT	EX. WATER LINE
CLEARING & GRUBBING LIMIT	QUANTITY TABULATION CODE	EX. GUY WIRE
COMPOST SOCK	TREE	BORE HOLE
EXISTING ELEC. CONDUIT	TREE REMOVED PER ARBORIST PAID WITH CLEARING AND GRUBBING	IRRIGATION VALVE
EXISTING FENCE ON BARRIER	EXISTING SIGN	EXISTING SIGN BRIDGE
EXISTING TRAFFIC LOOPS	EXISTING LUMINAIRE	FIRE DEPT. CONNECTION WALL
HIGH VISIBILITY FENCE	EXISTING JUNCTION BOX	EXISTING BARRIER W/ FENCE
CONSTRUCTION NOTES	EXISTING JUNCTION BOX	OPTIONAL CRANE PADS

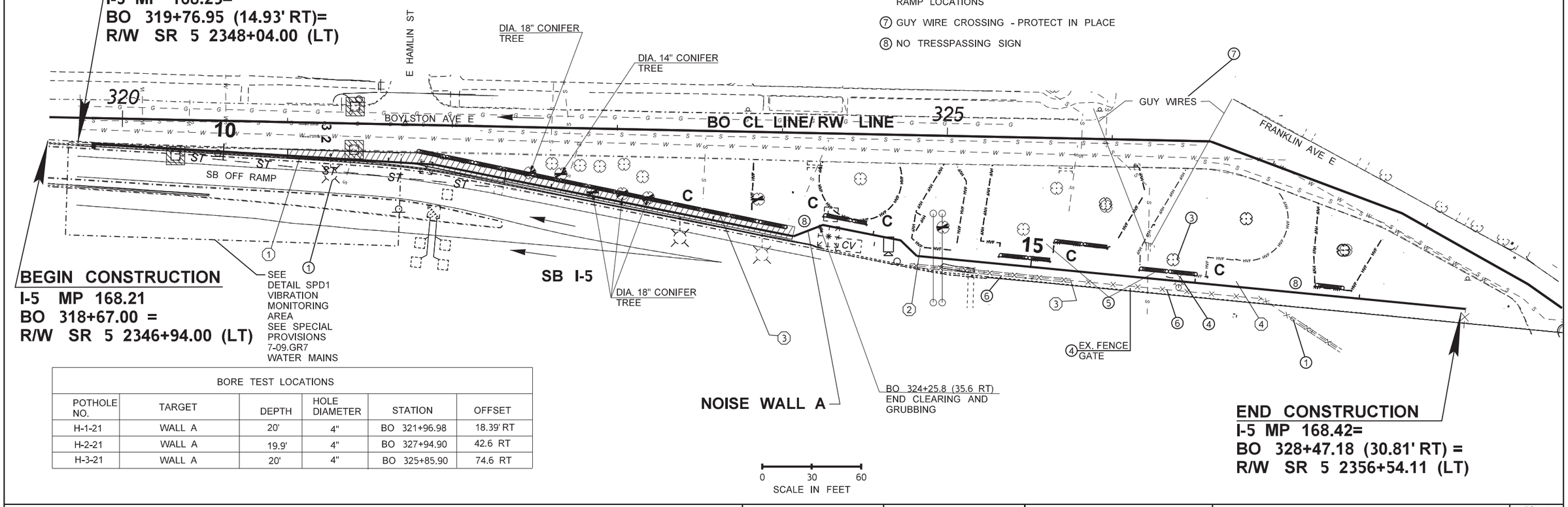
NOTES:

1. HIGH VISIBILITY FENCE SHALL BE SPACED AT A MAXIMUM OF 10' INTERVALS IN ADDITION TO ALL ANGLE POINTS.
2. CONSTRUCTION EQUIPMENT ACCESS TO AREAS INSIDE OF THOSE DELINEATED WITH HIGH VISIBILITY FENCE STAKING IS PROHIBITED, EXCEPT AS APPROVED BY THE ENGINEER.
3. SELECTIVELY PRUNE TREES WITH ENGINEERS APPROVAL
4. FOR HIGH VISIBILITY FENCE QUANTITIES SEE SPTP3.
5. FOR CONSTRUCTION MAT AND TEMPORARY FENCE LOCATIONS SEE SPTP1 - SPTP3.

CONSTRUCTION NOTES:

1. REMOVE EX. BARRIER AND ATTACHED EX.FENCE
2. RELOCATE EX. LUMINAIRE AND REMOVE EX CONDUIT PRIOR TO INSTALLING NOISE WALL. SEE ELECTRICAL PLANS SHEETS EL1-EL2
3. PRESERVE AND PROTECT TREE AND ROOTS SEE SPTP1 - SPTP5. INSTALL HIGH VISIBILITY FENCE AT TREE DRIP LINES
4. MOVING EXISTING HYDRANT TO OUTSIDE OF NEW NOISE WALL. SEE FS1 FIRE STANDPIPE RELOCATION DETAIL.
5. SEE SPTP1 - SPTP5 FOR TREE PROTECTION DETAILS. TREE PROTECTION MUST BE INSTALLED AND APPROVED BY AN ARBORIST PRIOR TO ACCESSING WORK AREAS.
6. SEE SPTP2,SPTP4 DOUBLE CONSTRUCTION MAT RAMP LOCATIONS
7. GUY WIRE CROSSING - PROTECT IN PLACE
8. NO TRESSPASSING SIGN

COMPOST SOCK	
BO 321+78.69 (16.8 RT) TO BO 324+05.78 (58.0 RT)	230
BO 324+25.93 (50.51 RT) TO BO 324+52.16 (54.93 RT)	27
BO 325+32.75 (72.58 RT) TO BO 325+563.79 (74.92 RT)	31
BO 325+66.08 (63.28 RT) TO BO 325+98.00 (66.33 RT)	33
BO 326+18.06 (78.9 RT) TO BO 326+86.59 (77.61 RT)	42
BO 324+82.77 (66.89 RT) TO BO 327+17.86 (57.63 RT)	36
BO 327+49.79 (60.1 RT) TO BO 327+71.15 (54.78 RT)	22
TOTAL	421



BORE TEST LOCATIONS					
POTHOLE NO.	TARGET	DEPTH	HOLE DIAMETER	STATION	OFFSET
H-1-21	WALL A	20'	4"	BO 321+96.98	18.39' RT
H-2-21	WALL A	19.9'	4"	BO 327+94.90	42.6 RT
H-3-21	WALL A	20'	4"	BO 325+85.90	74.6 RT

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_SP.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	6:28:29 PM						
DATE	12/26/2023				JOB NUMBER 23A009		
PLOTTED BY	yuangel						
DESIGNED BY	M.D. LONG/Y. DAMTE				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

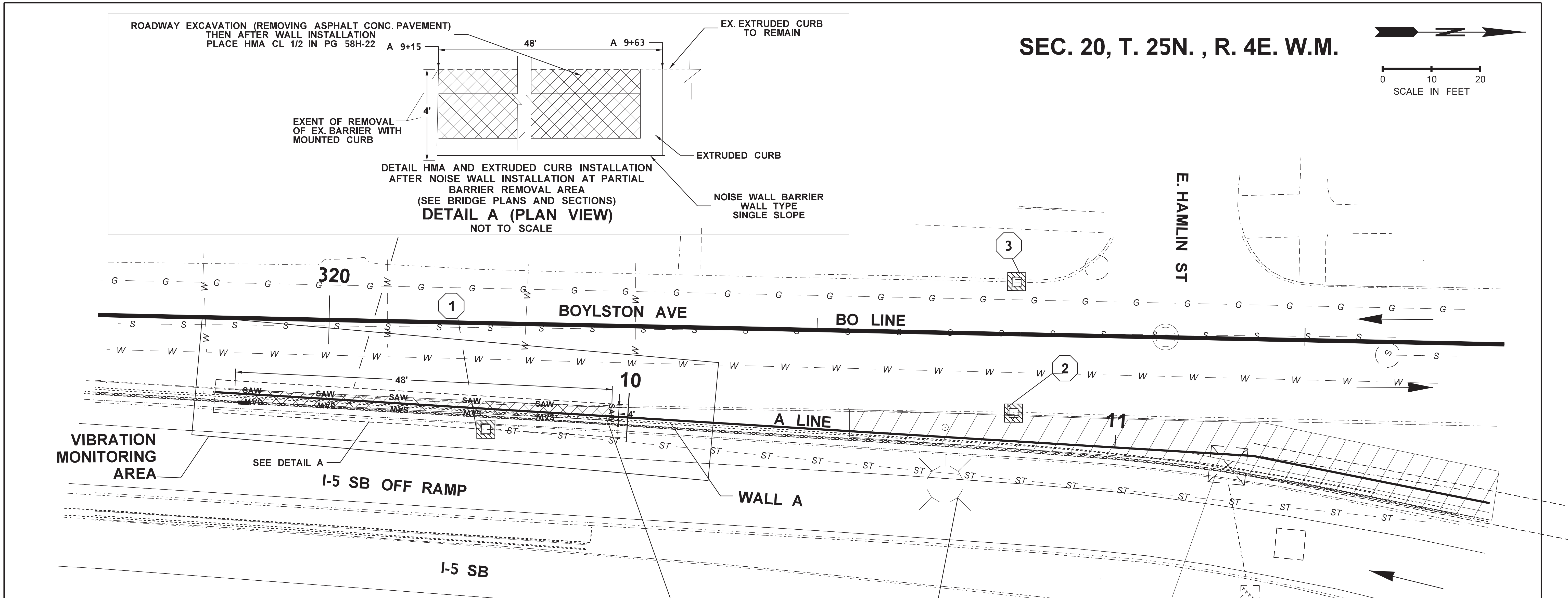
ADAM A. EMERSON STATE OF WASHINGTON 55567 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TESC / SITE PREP / UTILITIES

Plot 1
PLAN REF NO SP1
SHEET 10 OF 52 SHEETS



LEGEND

Symbol	Description	Symbol	Description
	PARTIAL REMOVAL OF EX. BARRIER AND EX. ASPHALT CONCRETE PAVEMENT*	SAW	SAW CUT EX. BARRIER AND EX. HMA
2	CONSTRUCTION ALIGNMENT		COMPOST SOCK
	EXISTING GUARDRAIL		CLEARING AND GRUBBING
	EXISTING EDGE OF PAVEMENT		EXISTING TREE
	EXISTING CONDUIT		EXISTING SIGN
	EXISTING RETAINING WALL		EXISTING CATCH BASIN
	EXISTING BORING HOLE		EXISTING LUMINAIRE
ST — ST	EXISTING STORM SEWER		EXISTING CONDUIT
G — G	EXISTING GAS	1	QUANTITY TABULATION CODE
W — W	EXISTING WATER LINE		EX. CURB
S — S	EXISTING SANITARY STORM SEWER		INLET PROTECTION
	EXISTING MONUMENT		EX. JUNCTION BOX

*REMOVAL OF EX. BARRIER AND EX. ASPHALT CONCRETE PAVEMENT INCIDENTAL TO BID ITEMS: "REMOVING PORTION OF EXISTING STRUCTURE" AND "REMOVING NOISE BARRIER WALL SHAFT OBSTRUCTIONS"

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TIME	3:16:38 PM		
DATE	12/23/2023		
PLOTTED BY	yuangel		
DESIGNED BY	M. LONG/Y. DAMTE		
ENTERED BY	Y. DAMTE		
CHECKED BY	A. YU		
PROJ. ENGR.	A. EMERSON		
REGIONAL ADM.	B. NIELSEN	REVISION	DATE / BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 23A009
CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX — DATE

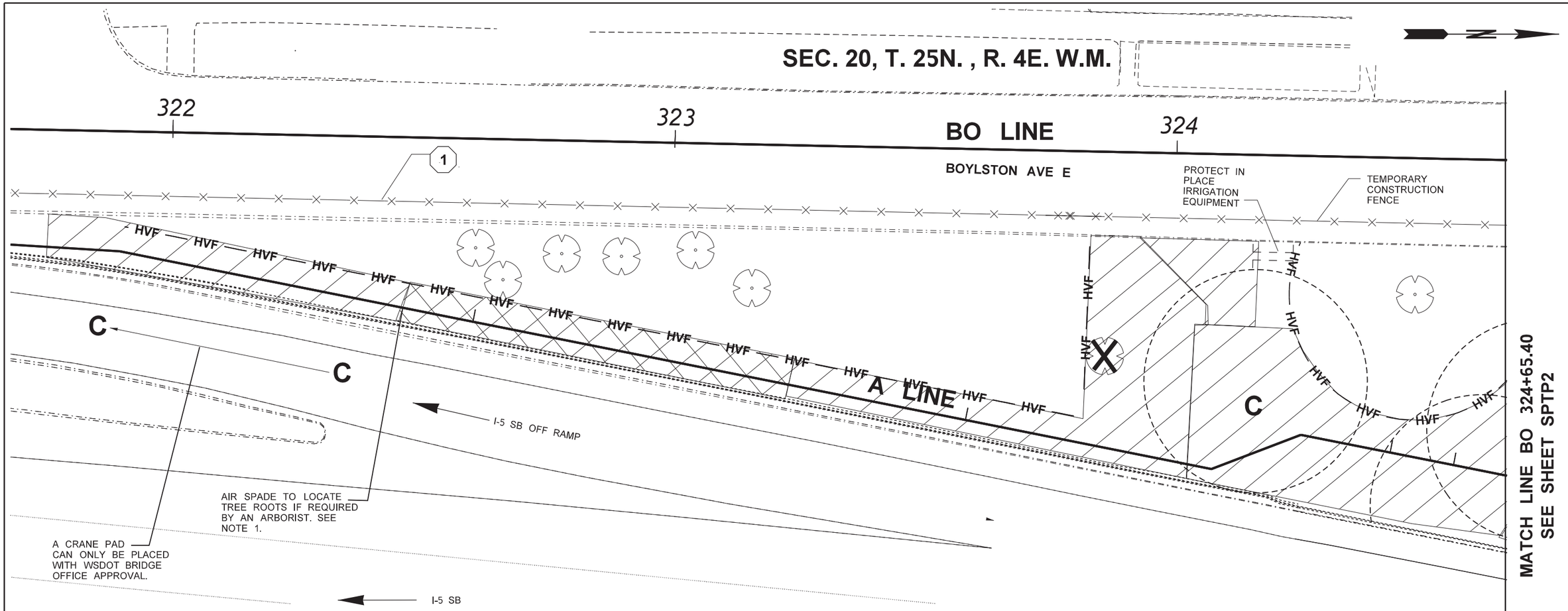
ADAM A. EMERSON — STATE OF WASHINGTON — 55567 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1 — DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

SITE PREP DETAIL PLAN

Plot 1
PLAN REF NO SPD1
SHEET 11 OF 52 SHEETS



LEGEND

- TEMPORARY CONSTRUCTION FENCE
- HVF — HVF — HVF — HIGH VISIBILITY FENCE
- CRANE ROTATION RADII TYP
- C — CRANE PAD
- TREE TO BE REMOVED USING ITEM "LARGE TREE REMOVAL" LUMP SUM
- TPA ZONE 2 - IN ADDITION TO ZONE 1 REQUIREMENT, APPLY CONSTRUCTION MATTING NO GRUBBING OR EXCAVATION UNLESS OTHERWISE APPROVED
- TPA ZONE 1 - APPLY MULCH, AND PROTECT ANY OVERHANGING BRANCH IN THE WORK ZONE. SEE STD. SPEC 1-07.16.2.

TEMPORARY CONSTRUCTION FENCE SCHEDULE

BO LINE STA.	OFFSET (RT)
QTY = 954	
319+72.32	12.5
326+70.00	10.2
327+73.00	8.2
328+67.50	7.8
329+16.00	33.3

0 10 20
SCALE IN FEET

TREE PROTECTION AREAS (TPAs)
CRANE PAD LOCATION
AND CRANE ROTATIONS

TREE PROTECTION NOTES:

1. PRIOR TO ANY WORK IN TPA ZONE 2 AREA, AN ARBORIST VISIT IS REQUIRED TO DETERMINE IF AIR SPADING OR BOARDWALK INSTALLATIONS WILL BE NEEDED TO PROTECT EXISTING TREE ROOTS.
2. FOR VEGETATION PROTECTION AND RESTORATION REQUIREMENTS. SEE STANDARD SPECIFICATION 1-07.16(2)
3. FOR OPTIONAL TEMPORARY BOARDWALK SEE SHEET SPTP4.

SELECTIVE PRUNING CAN OCCUR
SEE SPECIAL PROVISIONS

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_SPD1_Tree_Protect_Plan.dgn			
TIME	3:04:45 PM			
DATE	12/23/2023			
PLOTTED BY	yuangel			
DESIGNED BY	M.D. LONG/Y. DAMTE			
ENTERED BY	Y. DAMTE			
CHECKED BY	A. YU			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
23A009		
CONTRACT NO.		LOCATION NO.

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

SITE PREP. / TREE PROTECTION DETAILS

Plot 4
PLAN REF NO SPTP1
SHEET 12 OF 52 SHEETS

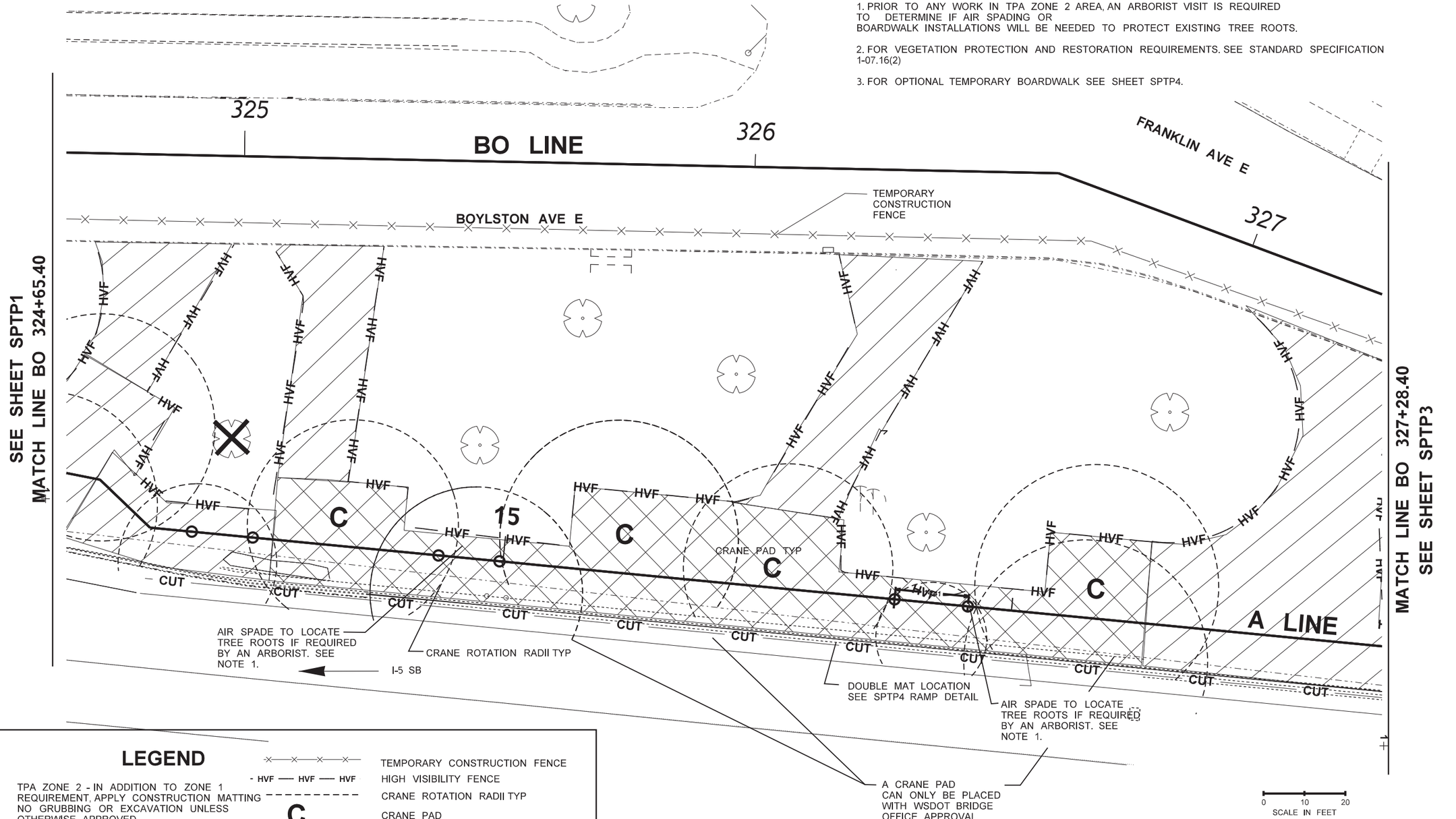
SEC. 20, T. 25N. , R. 4E. W.M.

TREE PROTECTION NOTES:

1. PRIOR TO ANY WORK IN TPA ZONE 2 AREA, AN ARBORIST VISIT IS REQUIRED TO DETERMINE IF AIR SPADING OR BOARDWALK INSTALLATIONS WILL BE NEEDED TO PROTECT EXISTING TREE ROOTS.

2. FOR VEGETATION PROTECTION AND RESTORATION REQUIREMENTS. SEE STANDARD SPECIFICATION 1-07.16(2)

3. FOR OPTIONAL TEMPORARY BOARDWALK SEE SHEET SPTP4.



LEGEND

	TEMPORARY CONSTRUCTION FENCE
- HVF — HVF — HVF	HIGH VISIBILITY FENCE
	CRANE ROTATION RADII TYP
C	CRANE PAD
X	TREE TO BE REMOVED USING ITEM "REMOVE RED CEDAR TREE", LUMP SUM
	TPA ZONE 2 - IN ADDITION TO ZONE 1 REQUIREMENT, APPLY CONSTRUCTION MATTING NO GRUBBING OR EXCAVATION UNLESS OTHERWISE APPROVED
	TPA ZONE 1 - APPLY MULCH, AND PROTECT ANY OVERHANGING BRANCH IN THE WORK ZONE. SEE STD. SPEC 1-07.16.2.

TREE PROTECTION AREAS (TPAs)
CRANE PAD LOCATION
AND CRANE ROTATIONS

SELECTIVE PRUNING CAN OCCUR
SEE SPECIAL PROVISIONS

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_SPD1_Tree_Protect_Plan.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	3:05:16 PM				10	WASH	
DATE	12/23/2023				JOB NUMBER		
PLOTTED BY	yuangel				23A009		
DESIGNED BY	M.D. LONG/Y. DAMTE				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1 FOR DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

SITE PREP. / TREE PROTECTION DETAILS

Plot 5
PLAN REF NO SPTP2
SHEET 13 OF 52 SHEETS

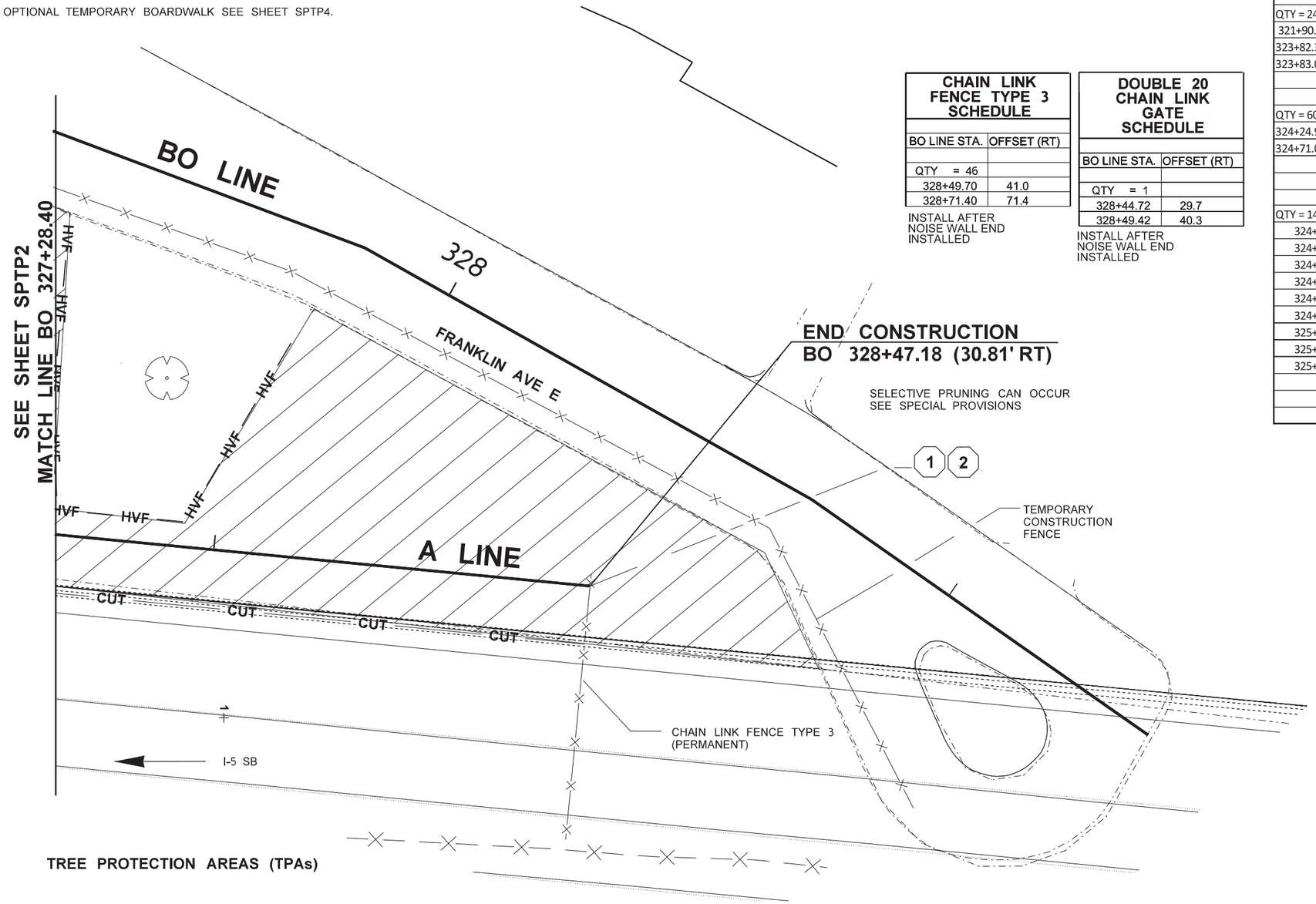
SEC. 20, T. 25N. , R. 4E. W.M.

TREE PROTECTION NOTES:

1. PRIOR TO ANY WORK IN TPA ZONE 2 AREA, AN ARBORIST VISIT IS REQUIRED TO DETERMINE IF AIR SPADING OR BOARDWALK INSTALLATIONS WILL BE NEEDED TO PROTECT EXISTING TREE ROOTS.

2. FOR VEGETATION PROTECTION AND RESTORATION REQUIREMENTS. SEE STANDARD SPECIFICATION 1-07.16(2)

3. FOR OPTIONAL TEMPORARY BOARDWALK SEE SHEET SPTP4.



CHAIN LINK FENCE TYPE 3 SCHEDULE	
BO LINE STA.	OFFSET (RT)
QTY = 46	
328+49.70	41.0
328+71.40	71.4

INSTALL AFTER NOISE WALL END INSTALLED

DOUBLE 20 CHAIN LINK GATE SCHEDULE	
BO LINE STA.	OFFSET (RT)
QTY = 1	
328+44.72	29.7
328+49.42	40.3

INSTALL AFTER NOISE WALL END INSTALLED

HIGH VISIBILTY FENCE SCHEDULE					
		TOTAL= 970 LF			
BO LINE	OFFSET (RT)	BO LINE	OFFSET (RT)	BO LINE	OFFSET (RT)
1		4		6	
QTY = 240		QTY = 200		QTY = 120	
321+90.77	19	325+27.68	17	327+34.07	12
323+82.32	53	325+21.57	63.2	327+42.69	43.4
323+83.05	16.2	325+33.38	64.1	327+49.89	60.5
		325+32.80	71.8	327+71.15	54.8
2		325+65.19	75	327+78.61	12.8
QTY = 60		325+66.08	63.2		
324+24.95	17.2	326+02.33	64.3		
324+71.00	17.4	326+20.68	32.3		
		326+16.79	16.8		
3		5			
QTY = 140		QTY = 210			
324+98.32	17.3	326+44.94	17.6		
324+81.98	47	326+26.95	51.1		
324+86.95	49.5	326+25.73	51.1		
324+79.71	62.3	326+17.09	68.6		
324+79.75	62.3	326+18.33	68.7		
324+85.99	67.8	326+19.28	79		
325+06.62	69.4	326+41.55	81.1		
325+12.02	27	326+80.63	79.1		
325+06.58	18.6	326+85.69	77.8		
		326+82.63	66.4		
		327+03.17	60.1		
		327+02.82	12		

0 10 20
SCALE IN FEET

LEGEND

- TEMPORARY CONSTRUCTION FENCE
- EXISTING FENCE
- HVF — HVF — HVF — HIGH VISIBILITY FENCE
- CRANE ROTATION RADII TYP
- C — CRANE PAD
- TREE TO BE REMOVED USING ITEM " LARGE TREE REMOVAL" LUMP SUM
- TPA ZONE 1 - APPLY MULCH, AND PROTECT ANY OVERHANGING BRANCH IN THE WORK ZONE. SEE STD. SPEC 1-07.16.2.

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TIME	3:04:57 PM				10	WASH		PLAN REF NO SPTP3
DATE	12/23/2023				JOB NUMBER 23A009			
PLOTTED BY	yuangel				CONTRACT NO.		LOCATION NO.	SHEET 14 OF 52 SHEETS
DESIGNED BY	M.D. LONG/Y. DAMTE							
ENTERED BY	Y. DAMTE							
CHECKED BY	A. YU							
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY				

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

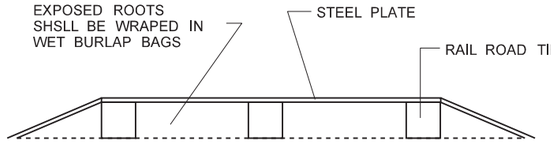
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

SITE PREP. / TREE PROTECTION DETAILS

The roots are located with an Air Spade where they will cross the wall footing.

TIES BETWEEN
LARGE TREE
ROOTS EXCAVATED
USING AIR SPADE

EXPOSED ROOTS
SHSLL BE WRAPED IN
WET BURLAP BAGS



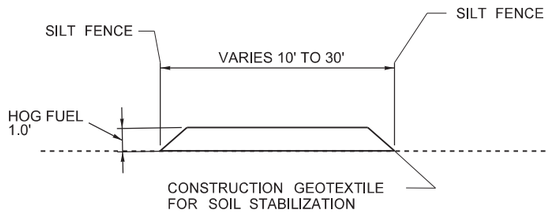
OPTIONAL TEMPORARY BOARDWALK SECTION

A MANDITORY ARBORIST VISIT IS REQUIRED TO DETERMINE WHERE BOARDWALK IS NEEDED WITHIN THE TPZ2.
ONE POTENTIAL LOCATION IS NEAR A 15+50 TO 16+00

STEEL PLATE OVER UNTREATED RAILROAD TIES (UNTREATED WITH CREOSOTE) TO BE IMPLEMENTED DURING WALL EXCAVATION*

* COST OF ABOVE WORK INCLUDED IN BID ITEM "TEMPORARY CONSTRUCTION ACEESS AND TREE PROTECTION".

COST OF CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION AND HOG FUEL IS INCLUDED IN BID ITEM "TEMPORARY CONSTRUCTION ACCESS AND TREE PROTECTION".



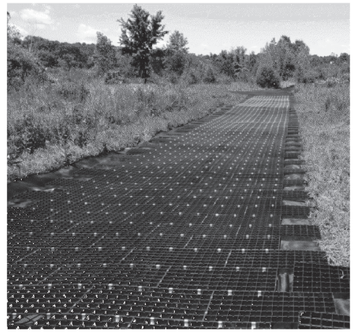
WORK ACCESS DETAIL

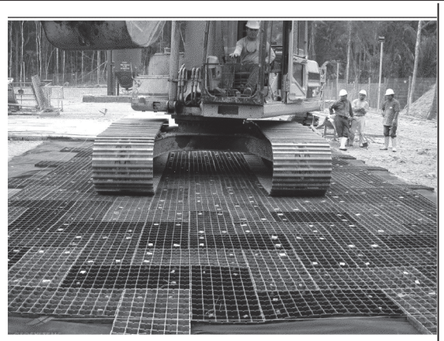
CONSTRUCTION MAT* OPTION; GEOTERRA (SEE SPTP2 THROUGH SPTP4, TPA ZONE 2).

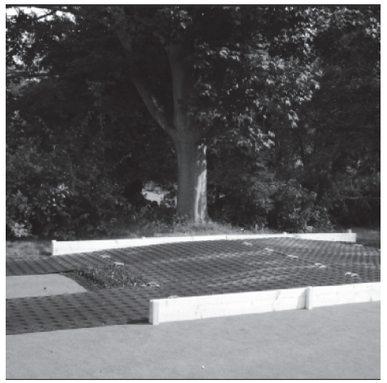
TREE ROOT PROTECTION DURING CONSTRUCTION:
SINGLE GEOTERRA PAD.
THIS HAS BEEN PRELIIMINARILY DESIGNED FOR THIS PROJECT GIVEN PROPOSED EQUIPMENT LOADS.

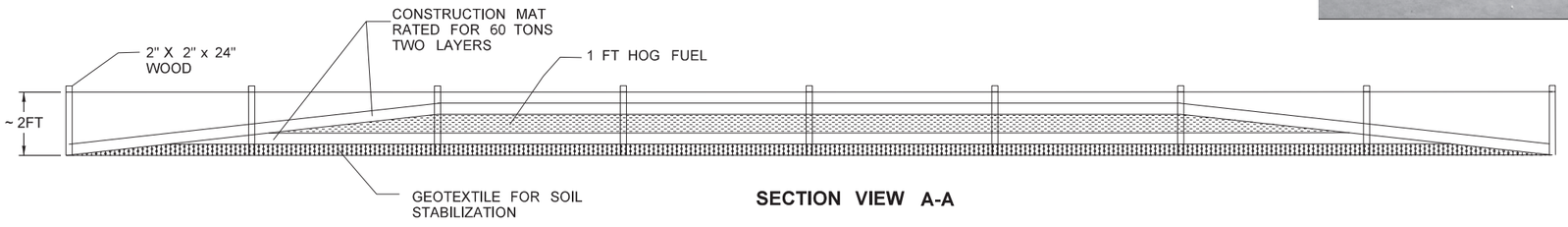
FOR OTHER OPTIONS OF CONSTRUCTION MATS SEE SPECIAL PROVISIONS.

* COST OF ABOVE WORK INCLUDED IN BID ITEM "TEMPORARY CONSTRUCTION ACEESS AND TREE PROTECTION".

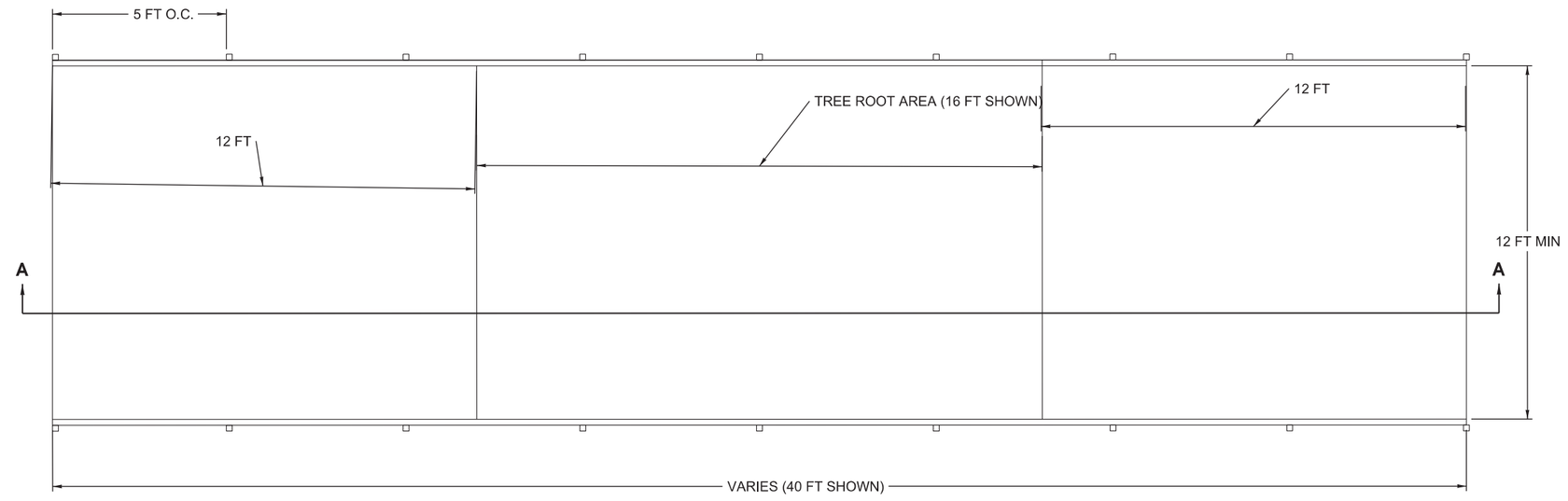








SECTION VIEW A-A



PLAN VIEW

TREE ROOT PROTECTION DURING CONSTRUCTION OPTION INSTEAD OF GEOTERRA MAT

GROUND GUARD SYSTEMS
TREE PROTECTION (UK)

ALL TIMBER AND LUMBER SHALL MEET WSDOT STANDARD SPECIFICATION 9-09.

DOUBLE CONSTRUCTION MAT
RAMP:RATED FOR 60 TONS
15+50 TO 16+00 AND OR AS NEEDED*
(FOR FURTHER DETAILS SEE SPTP1-SPTP3, AND TPA ZONE 2)

* COST OF ABOVE WORK INCLUDED IN BID ITEM "TEMPORARY CONSTRUCTION ACEESS AND TREE PROTECTION".

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_SPD2_Tree_Protect_Details.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	13:06:06				10	WASH	
DATE	12/21/2023				JOB NUMBER		
PLOTTED BY	mangaha				23A009		
DESIGNED BY	M.D. LONG/Y. DAMTE				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSON	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

ADAM A. EMERSON
STATE OF WASHINGTON
55567
REGISTERED
PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

Washington State Department of Transportation

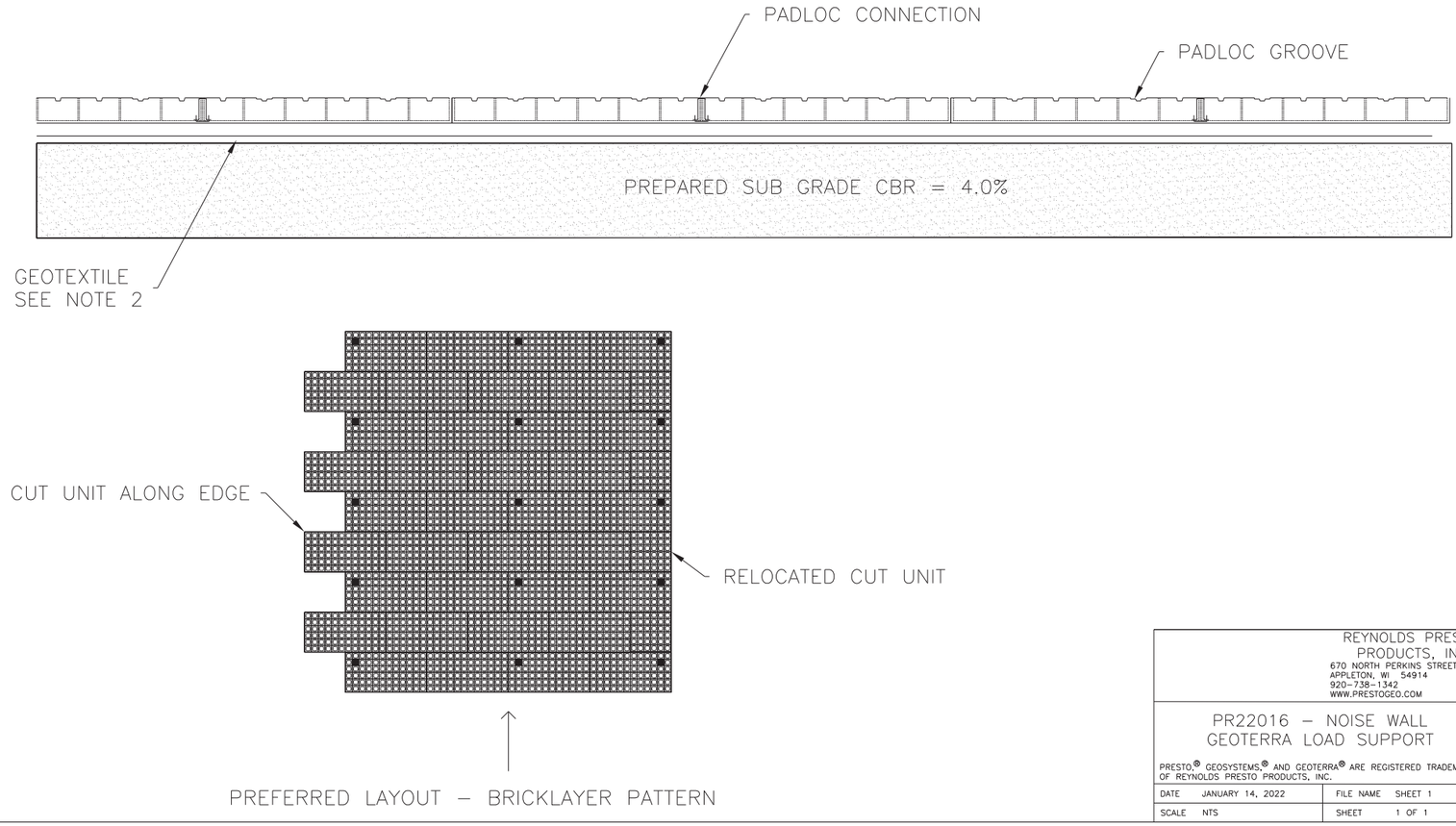
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

SITE PREP/ TREE PROTECTION DETAILS

Plot 1
PLAN REF NO
SPTP4
SHEET 15 OF 52 SHEETS

Notes:

1. This evaluation is copyrighted and is based on the use of Geoterra manufactured by Reynolds Presto Products, Inc. All rights reserved. Any use of this evaluation for any material product other than that manufactured by Reynolds Presto Products, Inc. is strictly prohibited and makes this evaluation invalid.
2. Provide a non-woven geotextile and install in accordance with Manufacturer recommendations including overlaps based on sub grade CBR.
3. Installation shall be in accordance with Presto Geosystems Geoterra Installation Manual.
4. The Geoterra does not need to be filled with any material.



REYNOLDS PRESTO®
PRODUCTS, INC.
670 NORTH PERKINS STREET
APPLETON, WI 54914
920-738-1342
WWW.PRESTOGEO.COM

PR22016 – NOISE WALL
GEOTERRA LOAD SUPPORT

DATE JANUARY 14, 2022	FILE NAME SHEET 1
SCALE NTS	SHEET 1 OF 1

TREE ROOT PROTECTION DURING CONSTRUCTION: OPTION SINGLE GEOTERRA PAD.*
THIS HAS BEEN PRELIMINARILY DESIGNED FOR THIS PROJECT GIVEN PROPOSED EQUIPMENT LOADS.
FOR OTHER SUPPLIER OPTIONS OF CONSTRUCTION MATS SEE SPECIAL PROVISIONS.

* COST OF ABOVE WORK INCLUDED IN BID ITEM "TEMPORARY CONSTRUCTION ACEESS AND TREE PROTECTION".

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_SPD2_Tree_Protect_Details.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	13:07:35				10	WASH	
DATE	12/21/2023				JOB NUMBER		
PLOTTED BY	mangaha				23A009		
DESIGNED BY	M.D. LONG				CONTRACT NO.		LOCATION NO.
ENTERED BY	M.D. LONG						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSON	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

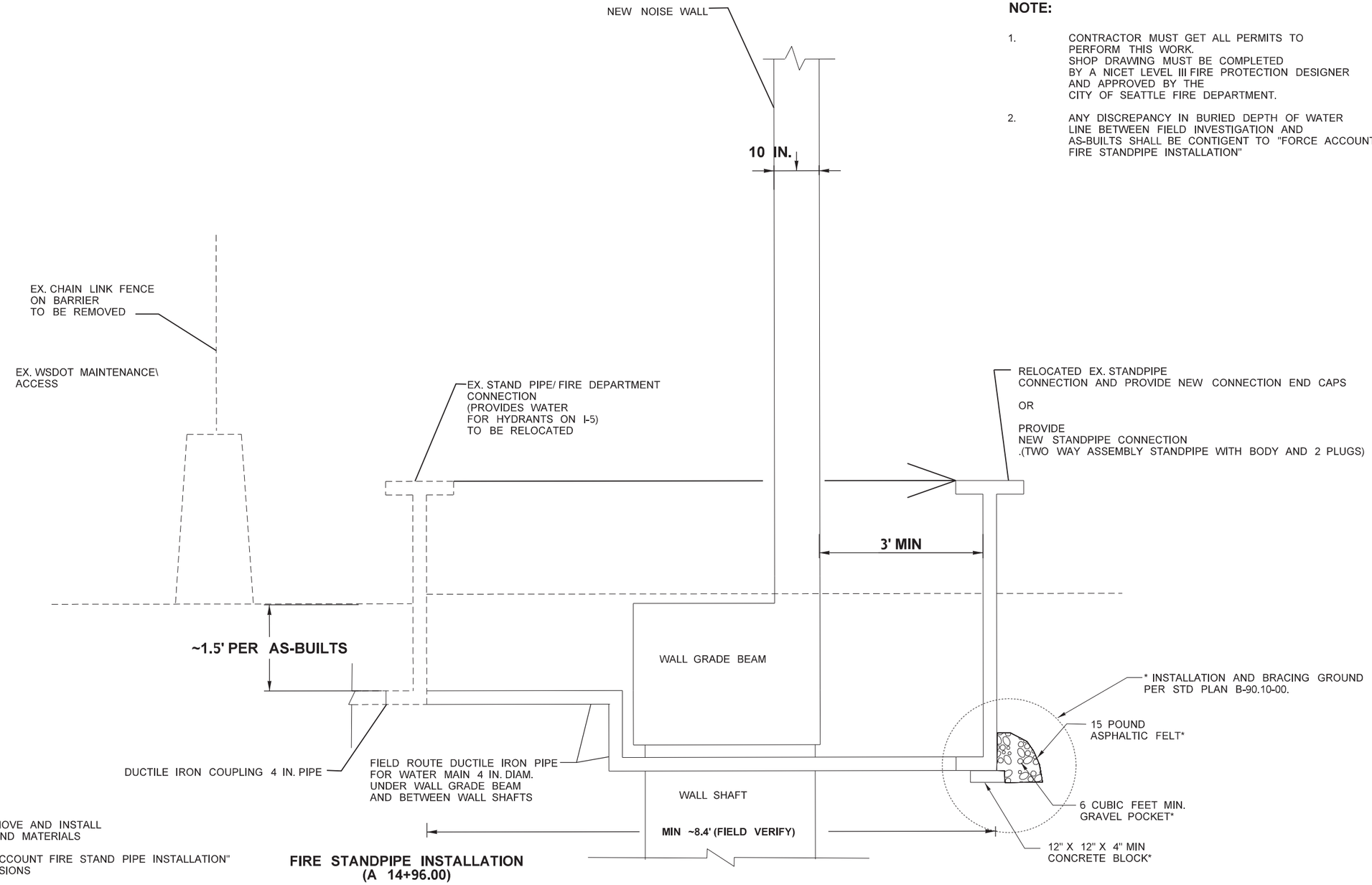
P.E. STAMP BOX — SEE SHEET CT1 DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

SITE PREP/ TREE PROTECTION DETAILS

Plot 3
PLAN REF NO SPTP5
SHEET 16 OF 52 SHEETS



NOTE:

1. CONTRACTOR MUST GET ALL PERMITS TO PERFORM THIS WORK. SHOP DRAWING MUST BE COMPLETED BY A NICET LEVEL III FIRE PROTECTION DESIGNER AND APPROVED BY THE CITY OF SEATTLE FIRE DEPARTMENT.
2. ANY DISCREPANCY IN BURIED DEPTH OF WATER LINE BETWEEN FIELD INVESTIGATION AND AS-BUILTS SHALL BE CONTIGENT TO "FORCE ACCOUNT FIRE STANDPIPE INSTALLATION"

ALL COSTS TO REMOVE AND INSTALL
FIRE STAND PIPE AND MATERIALS
ARE INCIDENTAL
TO ITEM "FORCE ACCOUNT FIRE STAND PIPE INSTALLATION"
SEE SPECIAL PROVISIONS

FIRE STANDPIPE INSTALLATION (A 14+96.00)

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_SPD2_Tree_Protect_Details.dgn						
TIME	1:52:57 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	12/23/2023						
PLOTTED BY	yuangel						
DESIGNED BY	M.D. LONG				JOB NUMBER 23A009		
ENTERED BY	M.D. LONG						
CHECKED BY	A. YU				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSON	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

ADAM A. EMERSON
STATE OF WASHINGTON
55567
REGISTERED
PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

FIRE STANDPIPE RELOCATION DETAIL

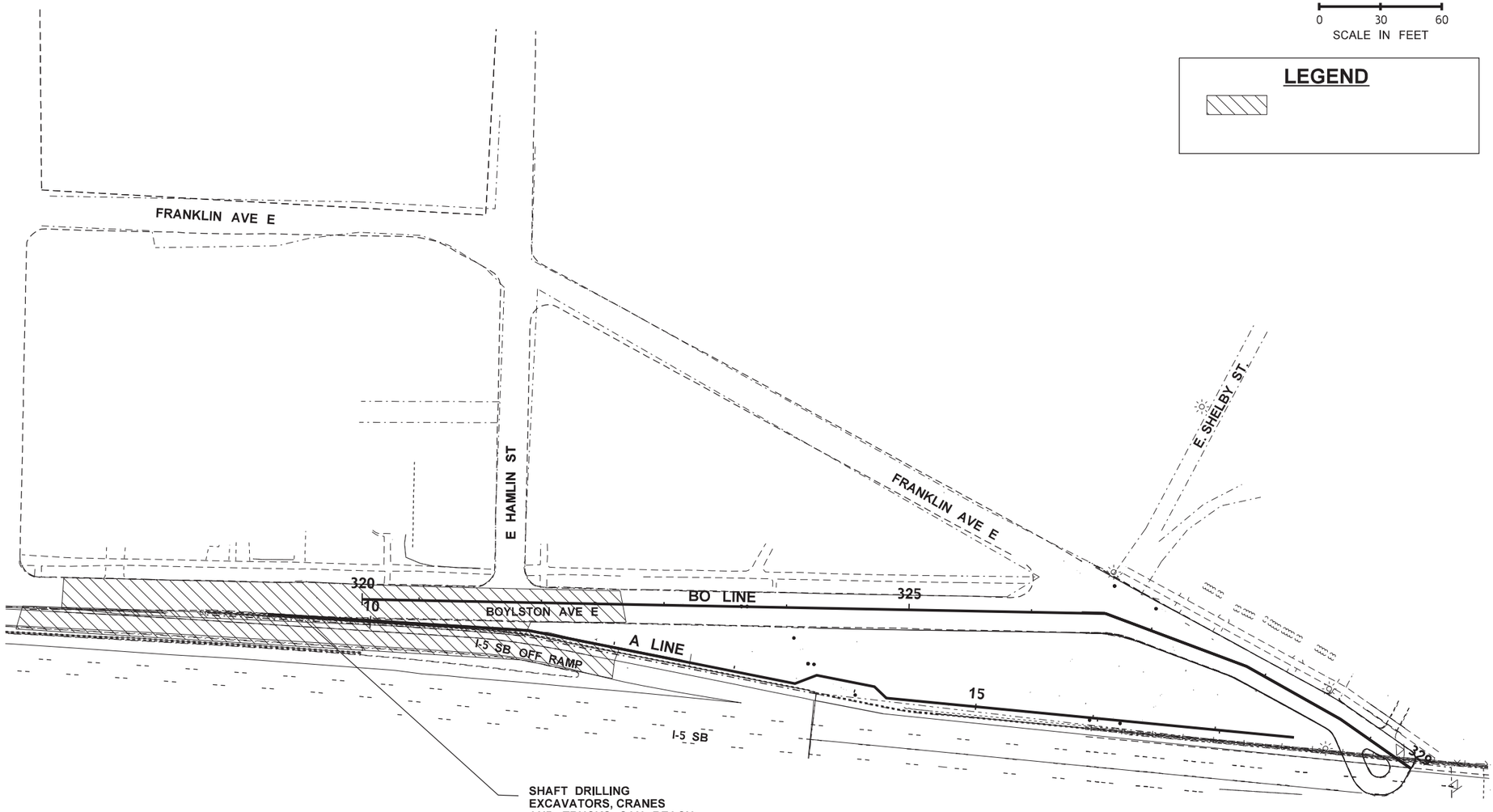
Plot 4
PLAN REF NO **FS1**
SHEET **17** OF **52** SHEETS

SEC. 20, T. 25N. , R. 4E. W.M.

N

0 30 60
SCALE IN FEET

LEGEND



SHAFT DRILLING
EXCAVATORS, CRANES
AND TRUCKS CAN REACH
THIS WORK AREA EITHER
FROM THE RAMP
OR BOYLSTON AVE.
THE CONTRACTOR
MUST REQUEST THE ENGINEER
GET WSDOT BRIDGE OFFICE APPROVAL TO
WORK FROM THE BRIDGE STRUCTURE.

I-5 SB OFF RAMP AND BOYLSTON AVE E CLOSURE

(FOR TRAFFIC CONTROL SEE SHEETS TC1-TC15)

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_Construction_Sequencing.dgn						
TIME	14:11:02				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	12/21/2023						
PLOTTED BY	mangaha						
DESIGNED BY	M.D. LONG/Y. DAMTE				JOB NUMBER 23A009		
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU				CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

ACCESS PLAN

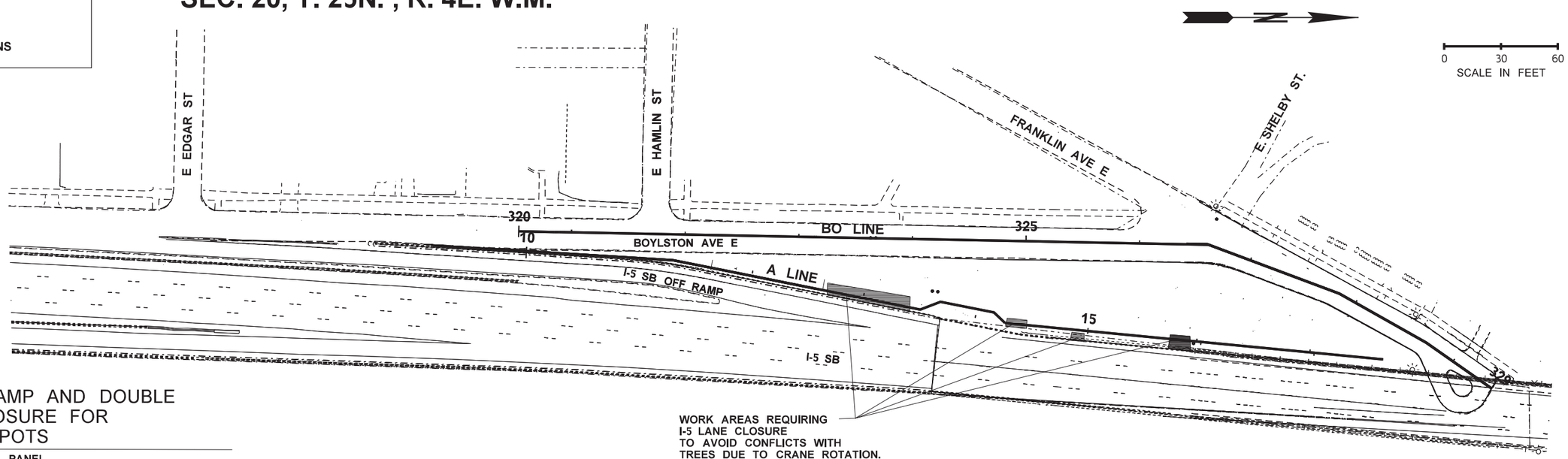
Plot 1
PLAN REF NO CA1
SHEET 18 OF 52 SHEETS

LEGEND

WORK ZONE

CLASS A SIGNS

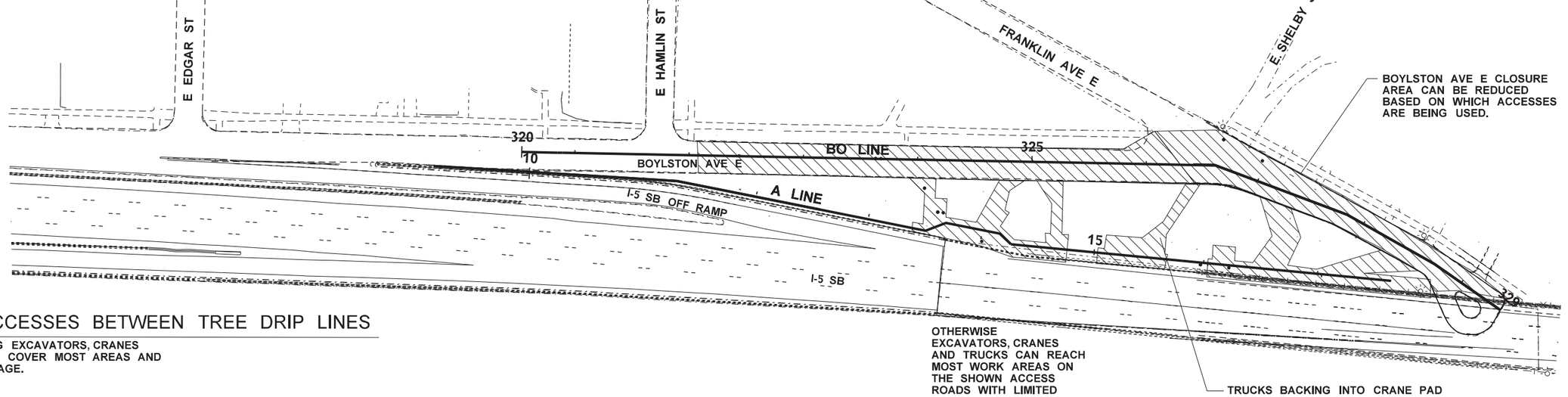
SEC. 20, T. 25N. , R. 4E. W.M.



I-5 SB OFFRAMP AND DOUBLE I-5 LANE CLOSURE FOR SELECTED SPOTS

.DURING NOISE WALL PANEL INSTALLATION (APPROX. 5 DAYS) TO AVOID TREE. CONFLICT WITH CRANE ROTATION SEE SPTP1-SPTP4.

WORK AREAS REQUIRING I-5 LANE CLOSURE TO AVOID CONFLICTS WITH TREES DUE TO CRANE ROTATION. OR CONTRACTOR TO SELECT A METHOD TO REACH AREA WITHOUT TREE CONFLICT. FOR EXAMPLE USING EXCAVATOR TO HELP DIRECT A CRANE LOAD, OR A LOADER THAT MOVES NOISE PANELS, OR A LINEAR TOWER/GANTRY CRANE.



BOYLSTON AVE E CLOSURE AREA CAN BE REDUCED BASED ON WHICH ACCESSES ARE BEING USED.

MULTIPLE ACCESSES BETWEEN TREE DRIP LINES

FOR SHAFT DRILLING EXCAVATORS, CRANES AND TRUCKS. PATHS COVER MOST AREAS AND PREVENT TREE DAMAGE.

OTHERWISE EXCAVATORS, CRANES AND TRUCKS CAN REACH MOST WORK AREAS ON THE SHOWN ACCESS ROADS WITH LIMITED TREE IMPACTS. PATHS ARE BETWEEN TREE ROOT DRIP LINES AND HAVE CONSTRUCTION MATTING.

TRUCKS BACKING INTO CRANE PAD

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_Construction_Sequencing.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:07:24 AM						
DATE	12/27/2023				JOB NUMBER 23A009		
PLOTTED BY	yuangel						
DESIGNED BY	M.D. LONG/Y. DAMTE				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE P.E. STAMP BOX

DATE P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

ACCESS PLAN

Plot 2

PLAN REF NO CA2

SHEET 19 OF 52 SHEETS

CONSTRUCTION NOTES:

1. REMOVE AND SALVAGE LIGHT STANDARD. REMOVE FOUNDATION ENTIRELY. BACKFILL VOID.
2. REMOVE CONDUIT, ALL ASSOCIATED HARDWARE, AND ALL WIRING BACK TO LUMINAIRE 2.
3. PROTECT IN PLACE EXISTING LUMINAIRE AND ASSOCIATED HARDWARE ON STRUCTURE.
4. PROTECT IN PLACE EXISTING CABINETS, JUNCTION BOXES, AND CABLE VAULT.
5. REMOVE EXISTING SIGN(S).
6. INSTALL SIGN ON LUMINAIRE POLE PER WSDOT STD PLAN G-30.10. SEE SHEET EL3 FOR SIGN SPECIFICATIONS.
7. INSTALL SIGN ON WEST SIDE OF WALL. SEE SHEET EL3 FOR SIGN SPECIFICATIONS.
8. PROTECT IN PLACE EXISTING SIGN.
9. CONSTRUCT FOUNDATION AND INSTALL POLE AND SIGNS PER WSDOT STD PLAN G-25.10. SEE SHEET EL3 FOR SIGN SPECIFICATIONS.
10. REMOVE JUNCTION BOX AND ALL ASSOCIATED EQUIPMENTS.
11. INSTALL NEW CONDUIT IN EXISTING JUNCTIOIN BOX. PROTECT AND PRESERVE ALL EXISTING CONDUCTORS AND CONDUITS IN THE JUNCTION BOX.
12. RE-SPLICE EXISTING CONDUCTORS TO EXISTING LOOP LEAD-INS. TEST THE SYSTEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
13. OTHER CONDUIT(S) AND CONDUCTOR(S) ARE PRESENT. THEY SHALL BE PROTECT IN PLACE.
14. REMOVE EXISTING CONDUIT BODY. INSTALL 3" CONDUIT BODY ON NEW WALL. SEE WALL PLANS FOR STATION AND ELEVATION. CONNECT NEW CONDUIT BODY TO EXISTING CONDUIT THROUGH NEW WALL.

LEGEND

EXISTING	NEW	
		TYPE 1 JUNCTION BOX
		TYPE 2 JUNCTION BOX
		TYPE 8 JUNCTION BOX
		NEMA JUNCTION BOX
UPS		UPS CABINET
		SIGNAL CABINET
		ELECTRICAL SERVICE CABINET
		UTILITY COMPANY PEDESTAL
		SIGN
		SIGN ON WALL
		LIGHT STANDARD
		CONDUIT
	X	CONSTRUCTION NOTE FLAG
	X	WIRING NOTE FLAG
	X	SIGN NOTE
	R-	SIGN REMOVEL NOTE

LUMINAIRE SCHEDULE					EX SERVICE NO. SUA 634			
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
1	*5*	A 14+17	13 RT	EX	*12*	*40*	*EX*	*PROTECT*
2	*5*	A 12+80	3 RT	EX	*12*	*40*	*EX*	*PROTECT*
3	*5*	A 10+65	2 LT	EX	*12*	*40*	*EX*	*REMOVE*
4	*5*	A 8+64	0	EX	*12*	*40*	*EX*	*REMOVE*

ABBREVIATIONS:

AUX	AUXILIARY
C	CONDUCTORS
CAB	CABINET
CS	CONDUCTOR SHIELDED
DIA	DIAMETER
EX	EXISTING
ILL	ILLUMINATION
ITS	INTELLIGENT TRANSPORTATION SYSTEM
JB	JUNCTION BOX
MAX	MAXIMUM
MIN	MINIMUM
MOD	MODIFIED
N	NORTH
NTS	NOT TO SCALE
PR	PAIR
SP	SPARE
SR	STATE ROUTE
ST	STREET
STD	STANDARD
TEMP	TEMPORARY
TYP	TYPICAL

FILE NAME	T:\414121\Traffic Design_PROJECTS\SR 005\Edgar to Gwinn Noise Wall\XL6235_PS_Illum_PROOF.dgn			
TIME	10:44:29 AM			
DATE	1/10/2024			
PLOTTED BY	LuoW			
DESIGNED BY	W.LUO			
ENTERED BY	W.LUO			
CHECKED BY	E.HAVENS			
PROJ. ENGR.	A.EMERSON			
REGIONAL ADM.	B.NIELSEN	REVISION	DATE	BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 23A009
CONTRACT NO. | LOCATION NO.

BUKE HUU DO — STATE OF WASHINGTON — 31740 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

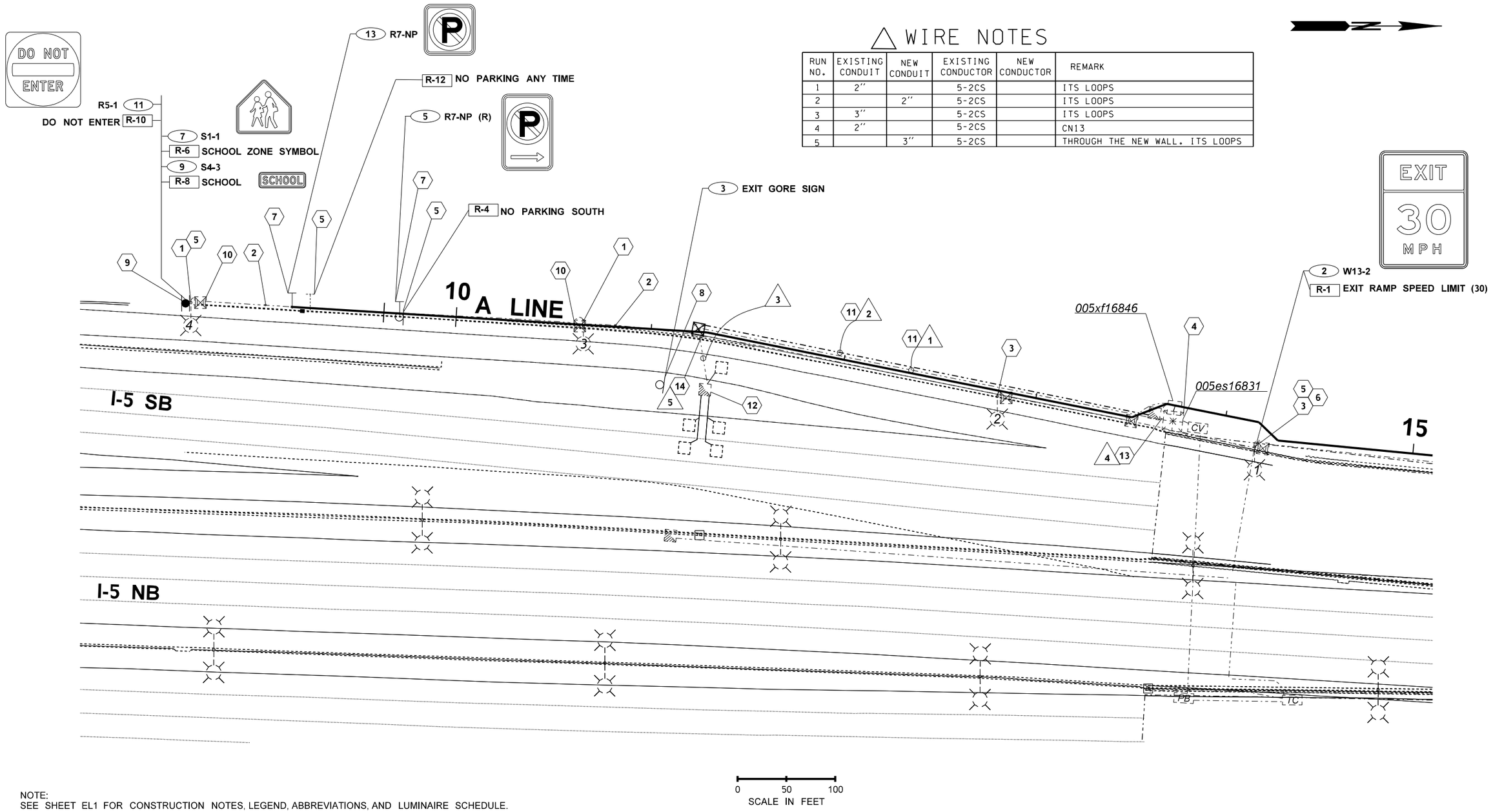
DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

ELECTRICAL AND SIGNING PLAN

Plot 1
PLAN REF NO EL1
SHEET 20 OF 52 SHEETS



△ WIRE NOTES

RUN NO.	EXISTING CONDUIT	NEW CONDUIT	EXISTING CONDUCTOR	NEW CONDUCTOR	REMARK
1	2"		5-2CS		ITS LOOPS
2		2"	5-2CS		ITS LOOPS
3	3"		5-2CS		ITS LOOPS
4	2"		5-2CS		CN13
5		3"	5-2CS		THROUGH THE NEW WALL. ITS LOOPS

0 50 100
SCALE IN FEET

NOTE:
SEE SHEET EL1 FOR CONSTRUCTION NOTES, LEGEND, ABBREVIATIONS, AND LUMINAIRE SCHEDULE.

FILE NAME	T:\414121\Traffic Design_PROJECTS\SR 005\Edgar to Gwinn Noise Wall\XL6235_PS_Illum_PROOF.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:44:30 AM				10	WASH	
DATE	1/10/2024				JOB NUMBER		
PLOTTED BY	LuoW				23A009		
DESIGNED BY	W.LUO				CONTRACT NO.		LOCATION NO.
ENTERED BY	W.LUO						
CHECKED BY	E.HAVENS						
PROJ. ENGR.	A.EMERSON						
REGIONAL ADM.	B.NIELSEN	REVISION	DATE	BY			

DUKE HUU DO — STATE OF WASHINGTON — 31740 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

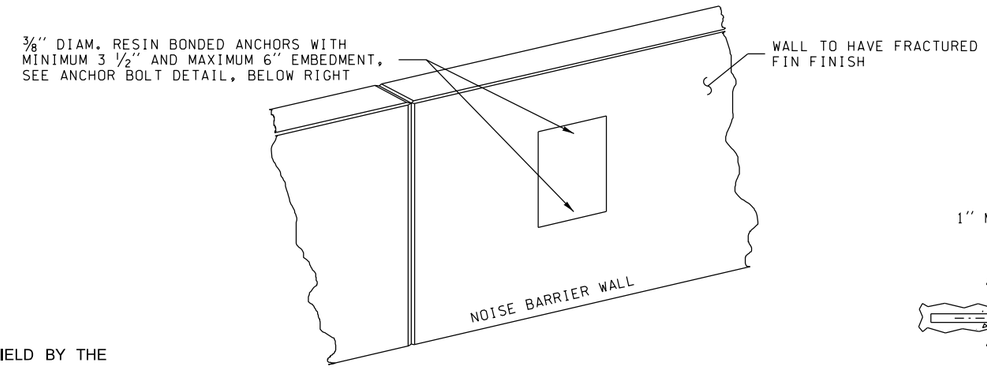
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

ELECTRICAL AND SIGNING PLAN

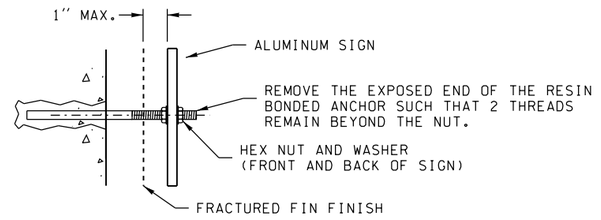
Plot 2
PLAN REF NO
EL2
SHEET 21 OF 52 SHEETS

SIGN SPECIFICATIONS

SIGN NO.	SIGNCODE	DESCRIPTION	STATION	SIGN SIZE X	SIGN SIZE Y	SHEETING TYPE	LETTER SIZE OR CODE	POST MATERIAL	POST SIZE	SIGN SUPPORT	POST LENGTH	CLEARANCE V	W	REMARKS
R-1		EXIT RAMP SPEED LIMIT (30)	14+19.5											REMOVE SIGN
2	W13-2	EXIT RAMP SPEED LIMIT (30)	" "	48"	60"	III OR IV	STANDARD	EX LUMINAIRE				7'	CN1	MOUNT SIGN ON EXISTING LUMINAIRE POLE
3	E5-1a	EXIT GORE SIGN	11+55	EX	EX									PROTECT EXISTING SIGN AND POLE
R-4		NO PARKING	9+76.5											REMOVE SIGN AND EXISTING POLE
5	R7-NP (R)	NO PARKING WITH RIGHT ARROW	" "	12"	18"	III OR IV	STANDARD	NOISE WALL				7'	NOISE WALL	MOUNT SIGN ON NEW NOISE WALL.SEE CN3
R-6		SCHOOL ZONE SYMBOL	8+39											REMOVE SIGN
7	S1-1	SCHOOL ZONE SYMBOL	" "	30"	30"	III OR IV	STANDARD	STEEL	2 1/2"	ST-4	14'	8'	CN2	MOUNT SIGN FACING NORTH ABOVE SIGN 9
R-8		SCHOOL	" "											REMOVE SIGN
9	S4-3	SCHOOL	" "	24"	8"	III OR IV	STANDARD					7'	CN2	MOUNT SIGN FACING NORTH UNDER SIGN 7
R-10		DO NOT ENTER	" "											REMOVE SIGN
11	R5-1	DO NOT ENTER	" "	30"	30"	III OR IV	STANDARD					7'	CN2	MOUNT SIGN FACING SOUTH OPPOSITE SIGNS 7 AND 8
R-12		NO PARKING ANY TIME	9+20											REMOVE SIGN ON EXISTING WALL
13	R7-NP	NO PARKING SYMBOL	9+15.3	12"	12"	III OR IV	STANDARD	NOISE WALL				7'	NOISE WALL	MOUNT SIGN ON END OF NEW NOISE WALL.SEE CN3



NOISE WALL FLUSH SIGN MOUNTING DETAIL
NOT TO SCALE



ANCHOR BOLT DETAIL
NOT TO SCALE

GENERAL NOTES

1. POST LENGTHS SHOWN ARE APPROXIMATE. FINAL VALUES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION.
2. FOR MOUNTING DETAILS SEE STANDARD PLAN SERIES "G".
3. FOR SIGN CODE REFERENCES AND STANDARD DETAILS SEE WASHINGTON STATE SIGN FABRICATION MANUAL. HTTP://WWW.WSDOT.WA.GOV/PUBLICATIONS/MANUALS/M55-05.HTM
4. ALL POSTS SHALL BE 2½" 12 GAGE PERFORATED SQUARE STEEL TUBE (PSST). FOR TYPE SB SUPPORT SEE STANDARD PLAN G-24.40. FOR TYPE ST-4 SUPPORT SEE STANDARD PLAN G-24.50
5. EDGE OF SIGN SHALL BE 2FT FROM BACK OF GUARDRAIL/ EDGE OF PAVEMENT. FOR ADDITIONAL INFOMRATION, SEE STANDARD PLAN G-24.50.

CONSTRUCTION NOTES

1. MOUNT SIGN ON EXISTING LUMINAIRE IN ACCORDANCE WITH WSDOT STANDARD PLAN G-30.10.
2. INSTALL SIGN CENTERED WITH BARRIER.
3. FOR SIGN DETAIL SEE THE CITY OF SEATTLE 2018 TRAFFIC CONTROL MANUAL FOR IN-STREET WORK.

FILE NAME	T:\414121\Traffic Design_PROJECTS\SR 005\Edgar to Gwinn Noise Wall\XL6235_PS_Illum_PROOF.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:44:32 AM				10	WASH	
DATE	1/10/2024				JOB NUMBER		
PLOTTED BY	LuoW				23A009		
DESIGNED BY	W.LUO				CONTRACT NO.		LOCATION NO.
ENTERED BY	W.LUO						
CHECKED BY	E.HAVENS						
PROJ. ENGR.	A.EMERSON						
REGIONAL ADM.	B.NIELSEN	REVISION	DATE	BY			

DUKE HUU DO — STATE OF WASHINGTON — 31740 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

ELECTRICAL AND SIGNING PLAN

Plot 3
PLAN REF NO EL3
SHEET 22 OF 52 SHEETS

LEGEND	
	EXISTING TREE TO BE SAVED AND PROTECTED

GENERAL SOIL PREPARATION NOTES:

1. SOIL PREPARATION AND DECOMPACTION WORK SHALL OCCUR IMMEDATELY AFTER FINAL GRADING AND CONSTRUCTION ACCESS REMOVAL. SEE PLANTING AND SEEDING AREA SOIL PREPARATION DETAILS ON SHEET LD1.

2. SAVE AND PROTECT EXISTING VEGETATION IN ACCORDANCE WITH SECTION 1-07.16(2).

3. DO NOT DECOMPACT OR INCOPORATE SOIL AMENDMENT UNDER DRIP LINE OF EXSITING TREES TO BE SAVED AND PROTECTED.

GENERAL PLANTING NOTES:

1. SPECIFICATIONS FOR SIZE AND CONDITION ARE MINIMUM.

2. BEGINNING 2 FT. FROM THE EDGE OF PAVEMENT, APPLY SEEDING AND MULCHING TO ALL AREAS NOT OTHERWISE SHOWN AS SEEDED OR PLANTED IN ACCORDANCE WITH SECTION 8-01.3(2).

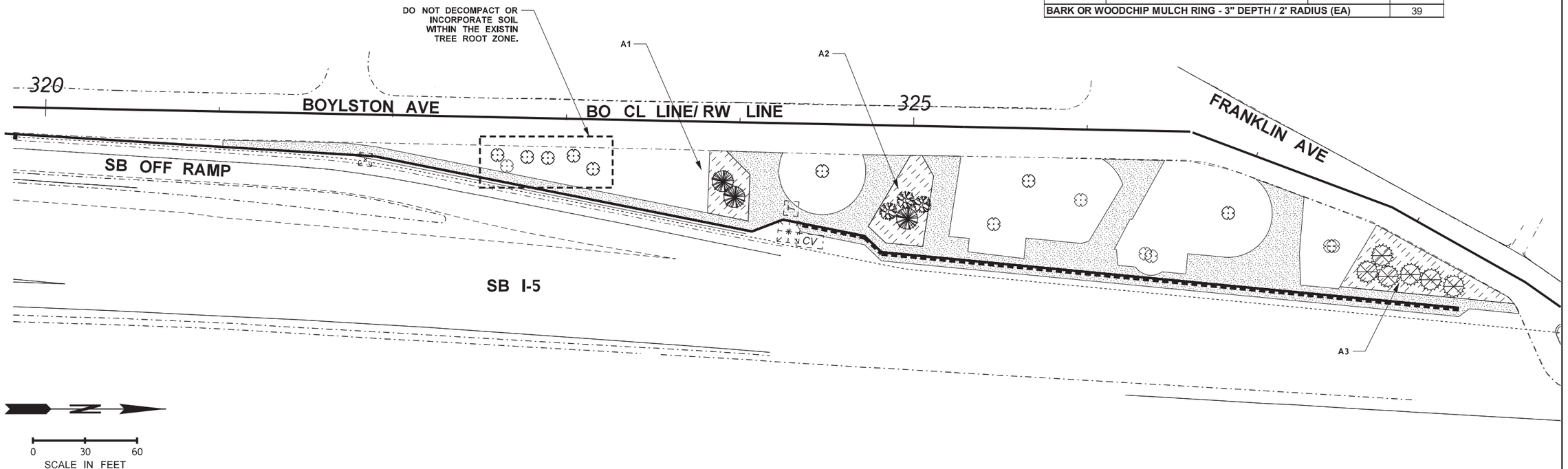
3. SEE DETAIL ON SHEET LD2 FOR BOSTON IVY PLANTING REQUIREMENTS.

4. INSTALL BARK OR WOOD CHIP MULCH RING 3 INCHES NON-COMPACTED DEPTH WITHIN 2 FT DIAMETER AROUND EACH BOSTON IVY PLANT ALONG THE WALLS.

SYMBOL	ITEM	SPACING	QTY		
TREES					
	SCOTS PINE	PER PLAN	3		
	WESTERN RED CEDAR 'EXCELSA'	PER PLAN	6		
	VINE MAPLE	PER PLAN	3		
PLANTING MIX A			A1	A2	A3
	TALL OREGON GRAPE	4'	64	30	48
	NOOTKA ROSE	4'	64	30	48
	SALAL	4'	64	30	48
PLANTING AREA SOIL PREPARATION			A1	A2	A3
SOIL AMENDMENT - 3" DEPTH (SY)			295	140	224
BARK OR WOOD CHIP MULCH - 3" DEPTH (SY)			295	140	224
SOIL DECOMPATION (SY)			295	140	224

SEEDING, FERTILIZING, AND MULCHING	
SYMBOL	ITEM / QTY
	EROSION CONTROL SEED MIX (SY) 1314
	FINE COMPOST - 3" DEPTH (SY) 1314
	SOIL DECOMPATION (SY) 1314

SYMBOL	ITEM	SPACING	QTY
- - - - -	BOSTON IVY - 10 FT O.C. (EACH) (SEE LD2)	10'	39
BARK OR WOODCHIP MULCH RING - 3" DEPTH / 2' RADIUS (EA)			39



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TIME	4:17:04 PM						
DATE	11/3/2023						
PLOTTED BY	doomlns						
DESIGNED BY	M. DOO				JOB NUMBER 23A009		
ENTERED BY	M. DOO						
CHECKED BY	L. JUNGBLUTH				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

STATE OF WASHINGTON · LINDSEY A. JUNGBLUTH · 20145 · REGISTERED LANDSCAPE ARCHITECT

SEE SHEET CT1

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

LANDSCAPE PLAN

Plot 1

LS1

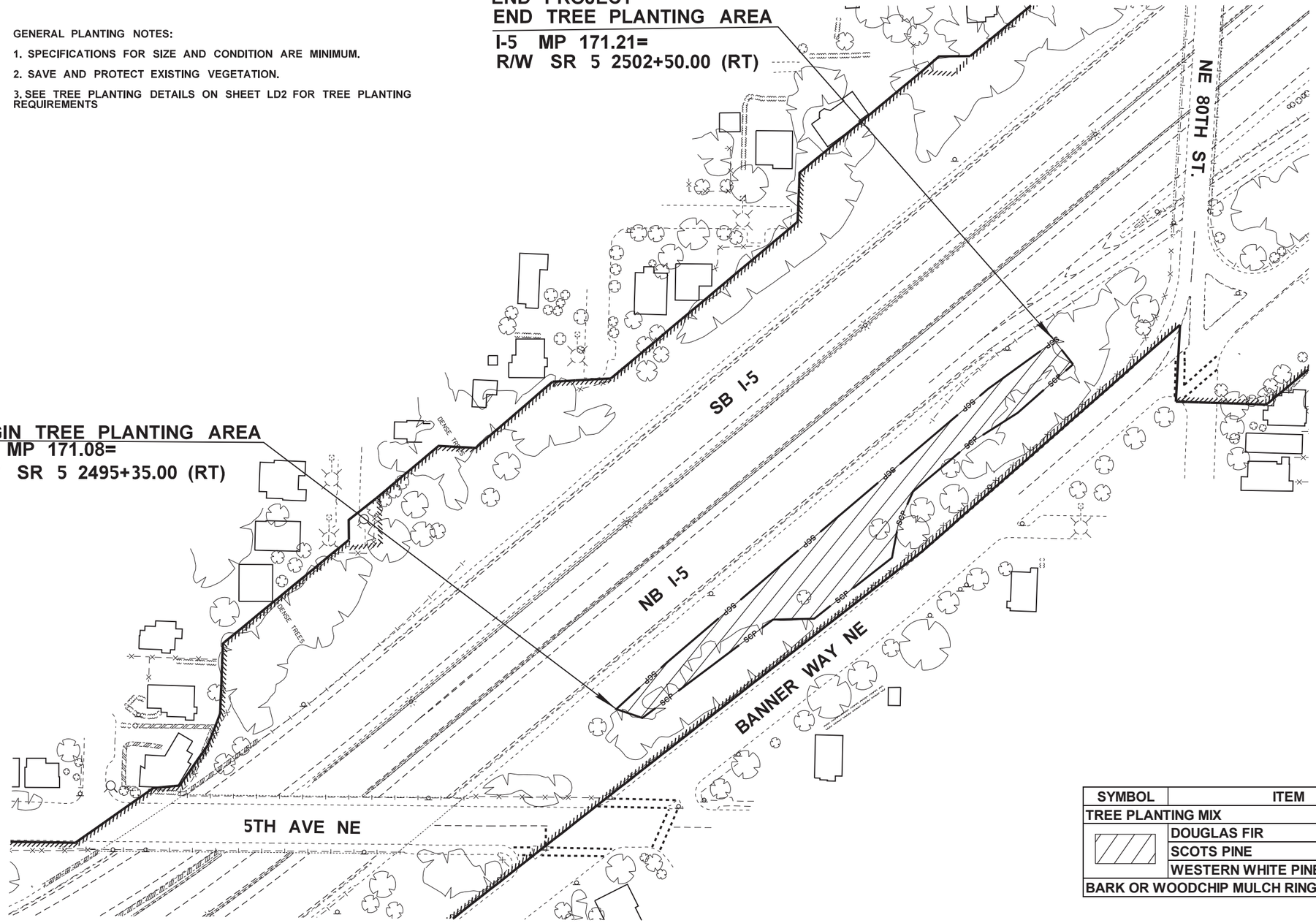
SHEET 23 OF 52 SHEETS

GENERAL PLANTING NOTES:

1. SPECIFICATIONS FOR SIZE AND CONDITION ARE MINIMUM.
2. SAVE AND PROTECT EXISTING VEGETATION.
3. SEE TREE PLANTING DETAILS ON SHEET LD2 FOR TREE PLANTING REQUIREMENTS

END PROJECT
END TREE PLANTING AREA
I-5 MP 171.21=
R/W SR 5 2502+50.00 (RT)

BEGIN TREE PLANTING AREA
I-5 MP 171.08=
R/W SR 5 2495+35.00 (RT)



LEGEND	
	EXISTING TREE TO BE SAVED AND PROTECTED
SCP	SELECTIVE CLEARING, GRUBBING, AND PRUNING

N

0 60 120
SCALE IN FEET

SYMBOL	ITEM	SPACING	QTY
TREE PLANTING MIX			
	DOUGLAS FIR	12'	71
	SCOTS PINE	12'	71
	WESTERN WHITE PINE	12'	71
BARK OR WOODCHIP MULCH RING - 3" DEPTH / 2' RADIUS (EA)			213

FILE NAME	T:\412006\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CAD\ContractPlans\XL6235_PS_LS.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	4:17:07 PM				10	WASH	
DATE	11/3/2023				JOB NUMBER		
PLOTTED BY	doomins				23A009		
DESIGNED BY	M. DOO				CONTRACT NO.		LOCATION NO.
ENTERED BY	M. DOO						
CHECKED BY	L. JUNGBLUTH						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

STATE OF WASHINGTON · LINDSEY R. JUNGBLUTH · 20 YEARS · EXP 11/9/2024 · REGISTERED LANDSCAPE ARCHITECT

SEE SHEET CT1

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TREE PLANTING PLAN

Plot 2

LS2

SHEET 24 OF 52 SHEETS

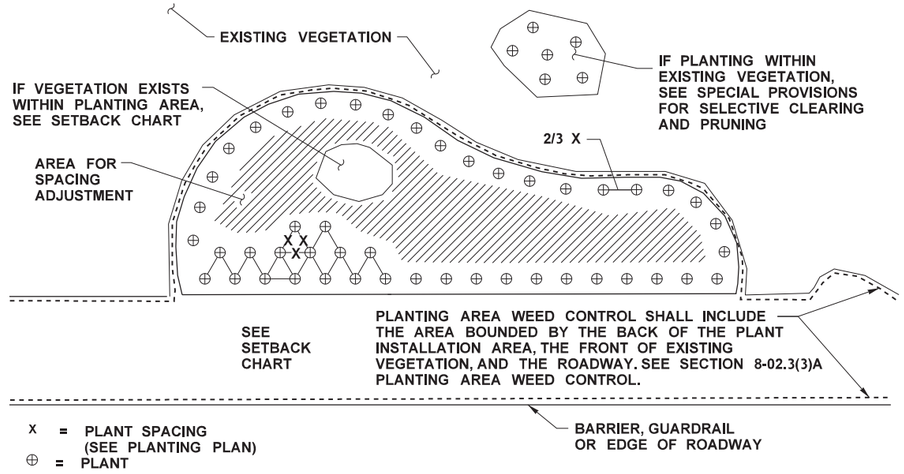
PLANT MATERIAL SETBACK CHART

THIS CHART SUPPLEMENTS SECTION 8.02.3(7) OF THE STANDARD SPECIFICATIONS. SETBACKS APPLY UNLESS OTHERWISE ADJUSTED BY ENGINEER DURING PLANT STAKING OR LAYOUT. DISTANCES BELOW ARE TO THE STEM OR TRUNK OF THE PLANT BEING INSTALLED.

	GUARDRAIL BARRIER	EDGE OF ROADWAY	WALL	FENCE	SIGNS	EXISTING TREE TRUNK	EXISTING VEGETATION MASS	OVERHEAD POWER	DRAINAGE STRUCTURE	DRAINAGE ACCESS ROAD	CULVERT WALLS
GROUNDCOVER *	5'	5'	3'	1.5'	1.5'	5'	5'	-	5'	5'	3'
SMALL SHRUB **	5'	10'	5'	3'	6'	5'	5'	-	5'	5'	5'
TALL SHRUB ***	10'	15'	10'	3'	6'	10'	10'	10'	10'	10'	10'
DECIDUOUS TREE	15'	20'	15'	10'	15'	15'	10'	20'	10'	15'	15'
EVERGREEN TREE	15'	20'	15'	10'	15'	15'	10'	20'	10'	15'	15'

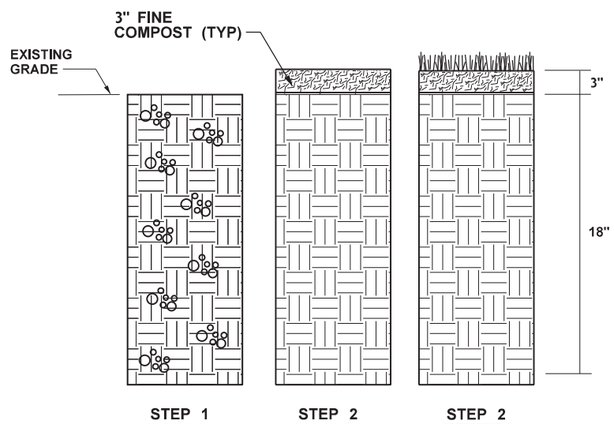
PLANT MATERIAL LIST

COMMON NAME	BOTANICAL NAME	QUANTITY	SIZE	ROOT CONDITION	REMARKS
DECIDUOUS TREES					
VINE MAPLE	ACER CIRCINATUM	3	12 IN. HT.	NO. 1 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
EVERGREEN TREES					
DOUGLAS FIR	PSEUDOTSUGA MENZIESII	71	18 IN HT.	NO. 2 CONT.	SECTION 9-14.7(2), SINGLE LEADER
WESTERN RED CEDAR 'EXCELSA'	THUJA PLICATA 'EXCELSA'	6	18 IN HT.	NO. 2 CONT.	SECTION 9-14.7(2), SINGLE LEADER
SCOTS PINE	PINUS SYLVESTRIS	74	18 IN HT.	NO. 2 CONT.	SECTION 9-14.7(2), SINGLE LEADER
WESTERN WHITE PINE	PINUS MONTICOLA	71	18 IN HT.	NO. 2 CONT.	SECTION 9-14.7(2), SINGLE LEADER
SHRUBS					
TALL OREGON GRAPE***	MAHONIA AQUIFOLIUM	142	12 IN HT.	NO. 1 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
NOOTKA ROSE***	ROSA NUTKANA	142	12 IN HT.	NO. 1 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
SALAL**	GAULTHERIA SHALLON	142	12 IN HT.	NO. 1 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
VINES					
BOSTON IVY	PARTHENNOCISSUS TRICUSPIDATA	39	12 IN HT.	NO. 1 CONT.	THREE RUNNERS MIN.



PLANTING AREA LAYOUT, SETBACK, AND WEED CONTROL

NOT TO SCALE



PLANTING AREA PREPARATION (PER STANDARD SPECIFICATION 8-02.3(5)A

STEP 1

DECOMPACT TO 18" DEPTH PER SPECIAL PROVISION.

STEP 1

PLACE 3" FINE COMPOST ACCORDING TO THE PLANS.

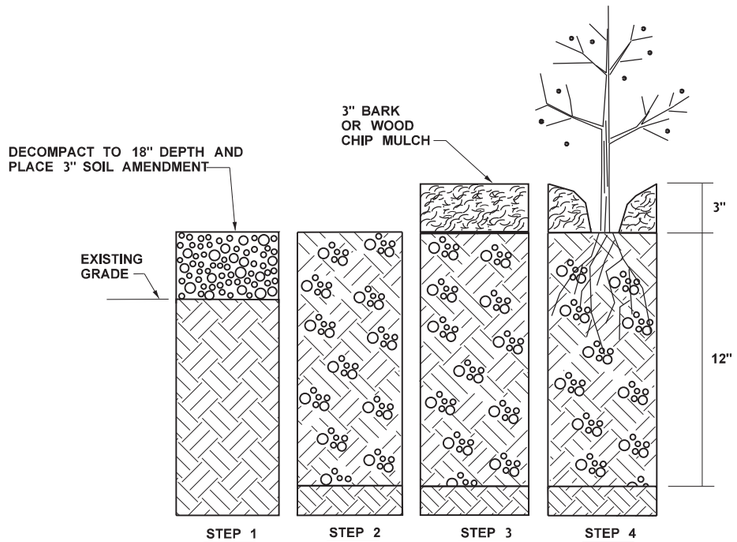
STEP 2

INSTALL SEEDING, FERTILIZING, AND MULCHING ACCORDING TO THE PLANS AND SPECIAL PROVISIONS.

SEEDING AREA SOIL PREPARATION

SECTION VIEW

NOT TO SCALE



PLANTING AREA PREPARATION PER SPECIAL PROVISIONS

STEP 1

DECOMPACT TO 18" DEPTH PER SPECIAL PROVISION AND PLACE 3" SOIL AMENDMENT.

STEP 2

INCORPORATE SOIL AMENDMENT TO 12" DEPTH PER SPECIAL PROVISIONS.

STEP 3

INSTALL BARK OR WOOD CHIP MULCH 3" DEEP (SEE PLANTING DETAIL IN STANDARD PLANS)

STEP 4

INSTALL PLANT (SEE PLANTING DETAIL IN STANDARD PLANS)

PLANTING AREA SOIL PREPARATION - SEQUENCE OF WORK

SECTION VIEW

NOT TO SCALE

FILE NAME	T:\412006\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CAD\ContractPlans\XL6235_PS_LS.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	3:24:25 PM				10	WASH	
DATE	9/6/2023				JOB NUMBER		
PLOTTED BY	doomlns				23A009		
DESIGNED BY	M. DOO				CONTRACT NO.		LOCATION NO.
ENTERED BY	M. DOO						
CHECKED BY	L. JUNGBLUTH						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

STATE OF WASHINGTON — LINDSEY A. JUNGBLUTH — NO. 1483 EXP. 11/03/2023 — LICENSED LANDSCAPE ARCHITECT

SEE SHEET CT1

Washington State Department of Transportation

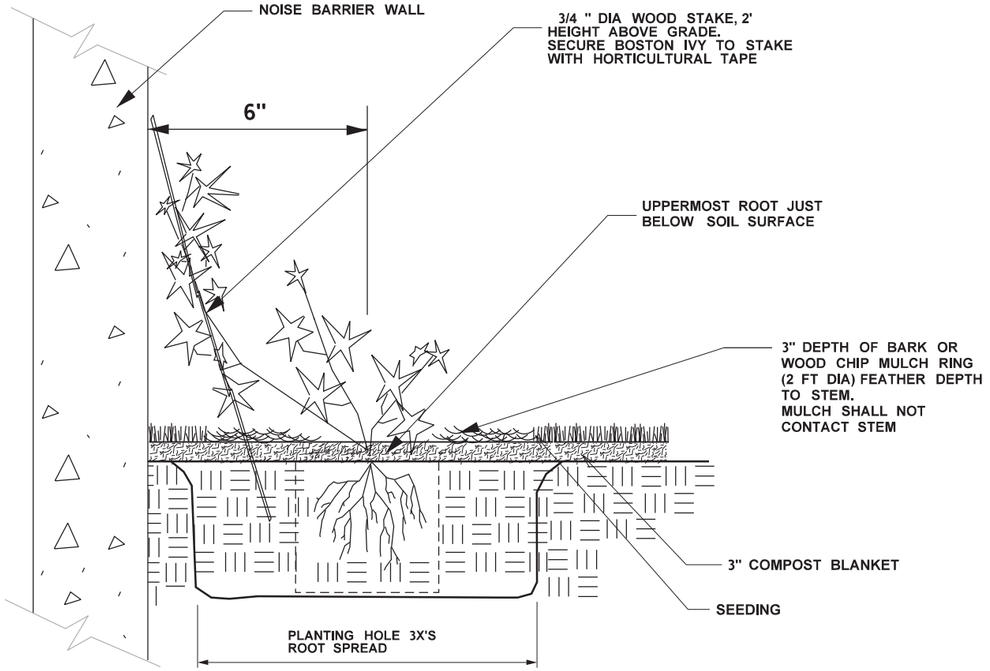
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

LANDSCAPE DETAILS

Plot 3

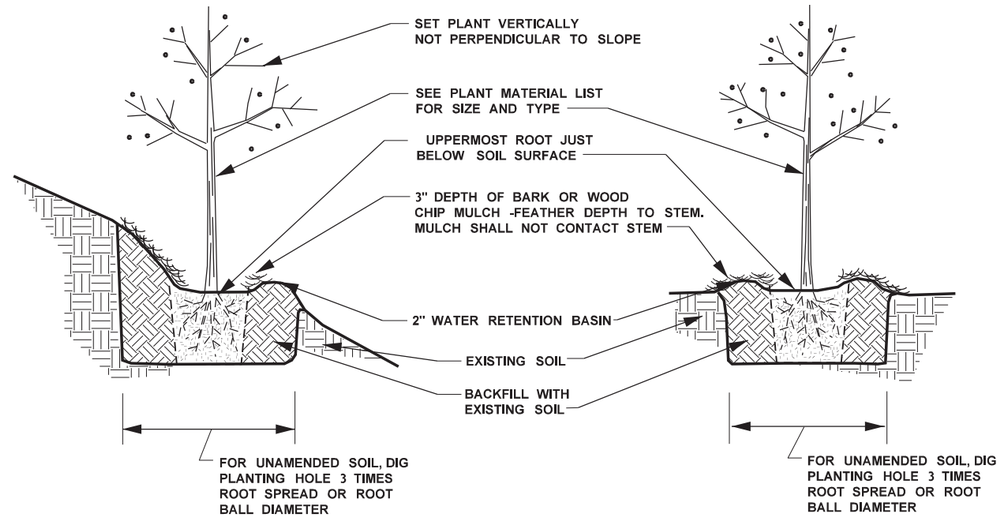
LD1

SHEET 25 OF 52 SHEETS



BOSTON IVY PLANTING DETAIL IN SEEDED AREA WITH BARK OR WOOD MULCH RING

NOT TO SCALE



*NOTE: BARK OR WOOD CHIP MULCH SHALL BE PLACED IN 12" RADIUS AROUND EACH PLANT.

TREE PLANTING ON SLOPE

NOT TO SCALE

TREE PLANTING

NOT TO SCALE

FILE NAME	T:\412006\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CAD\ContractPlans\XL6235_PS_LS.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	3:24:28 PM				10	WASH	
DATE	9/6/2023				JOB NUMBER		
PLOTTED BY	doomins				23A009		
DESIGNED BY	M. DOO				CONTRACT NO.		LOCATION NO.
ENTERED BY	M. DOO						
CHECKED BY	L. JUNGBLUTH						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

STATE OF WASHINGTON · LINDSEY A. JUNGBLUTH · NO 1483 EXP 11/07/2023 · LICENSED LANDSCAPE ARCHITECT

SEE SHEET CT1

Washington State Department of Transportation

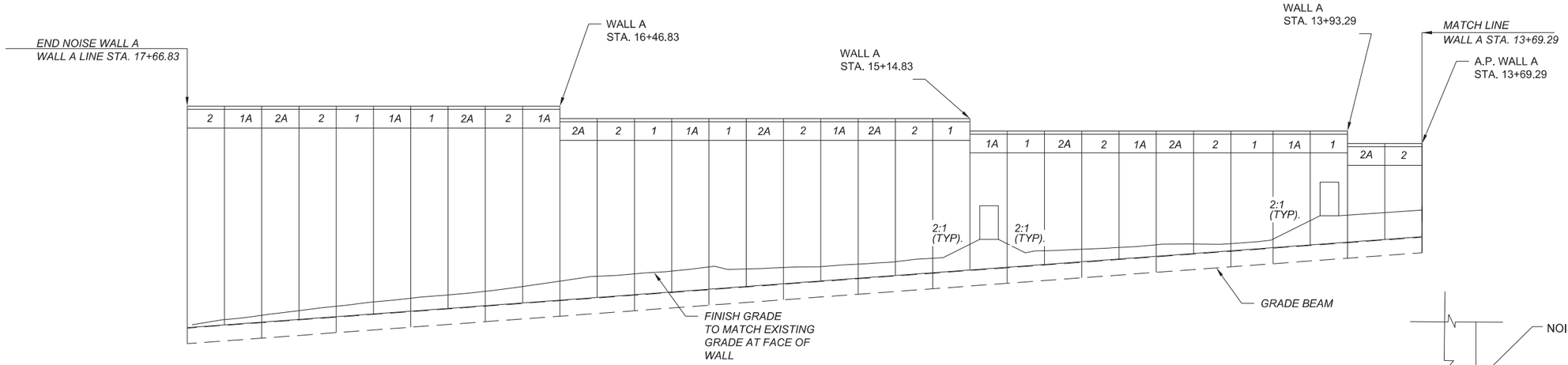
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

LANDSCAPE DETAILS

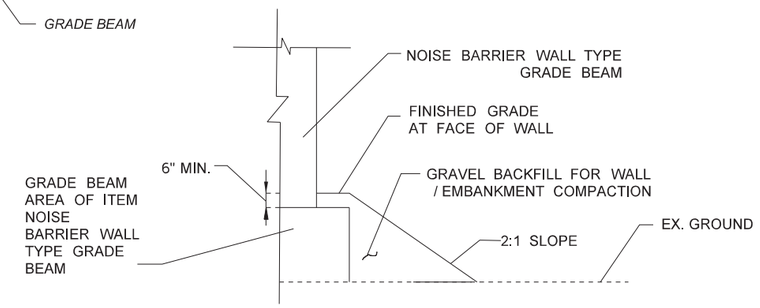
Plot 4

LD2

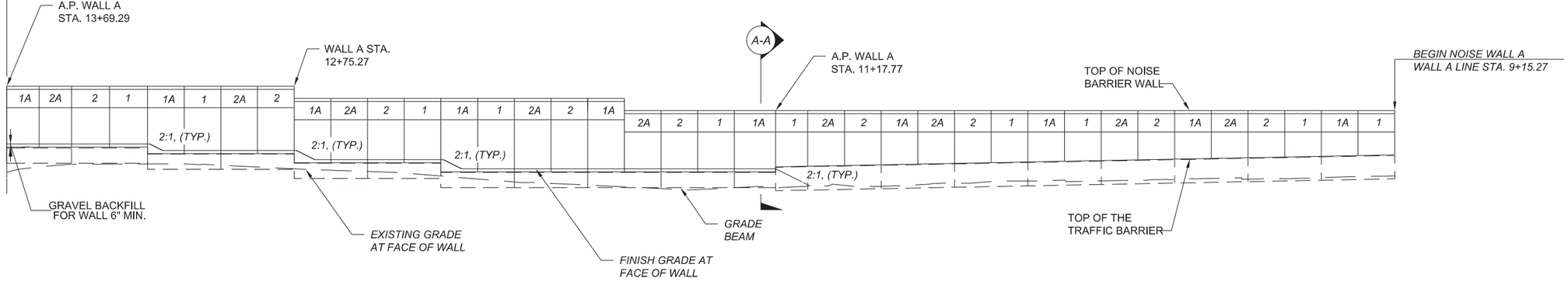
SHEET 26 OF 52 SHEETS



NOTE: THE GRADE DIFFERENCE FROM ONE SIDE OF THE WALL TO THE OTHER SHALL BE LIMITED TO 1'-0" AT ALL TIMES, TO PREVENT UNEVEN PRESSURE ON THE WALL.



DETAIL A-A



GRADING PLAN

FACING EAST

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn PI - Noise Wall\CADD Files\ContractPlans\XL6235_PS_GR_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	4:30:42 PM				10	WASH	
DATE	12/26/2023				JOB NUMBER		
PLOTTED BY	yuangel				23A009		
DESIGNED BY	M. DOMANSKA				CONTRACT NO.		LOCATION NO.
ENTERED BY	M. DOMANSKA						
CHECKED BY	M. LONG						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

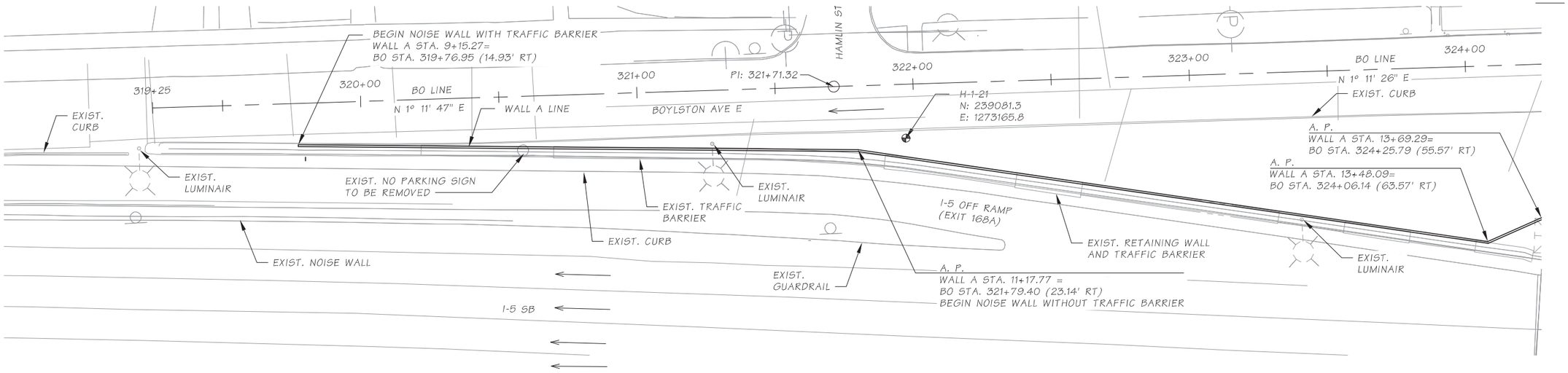
GRADING PLAN

PLAN REF NO
GR1

SHEET
27
OF
52
SHEETS

SEC. 20,T.25N., R.4E. W.M.
CITY OF SEATTLE

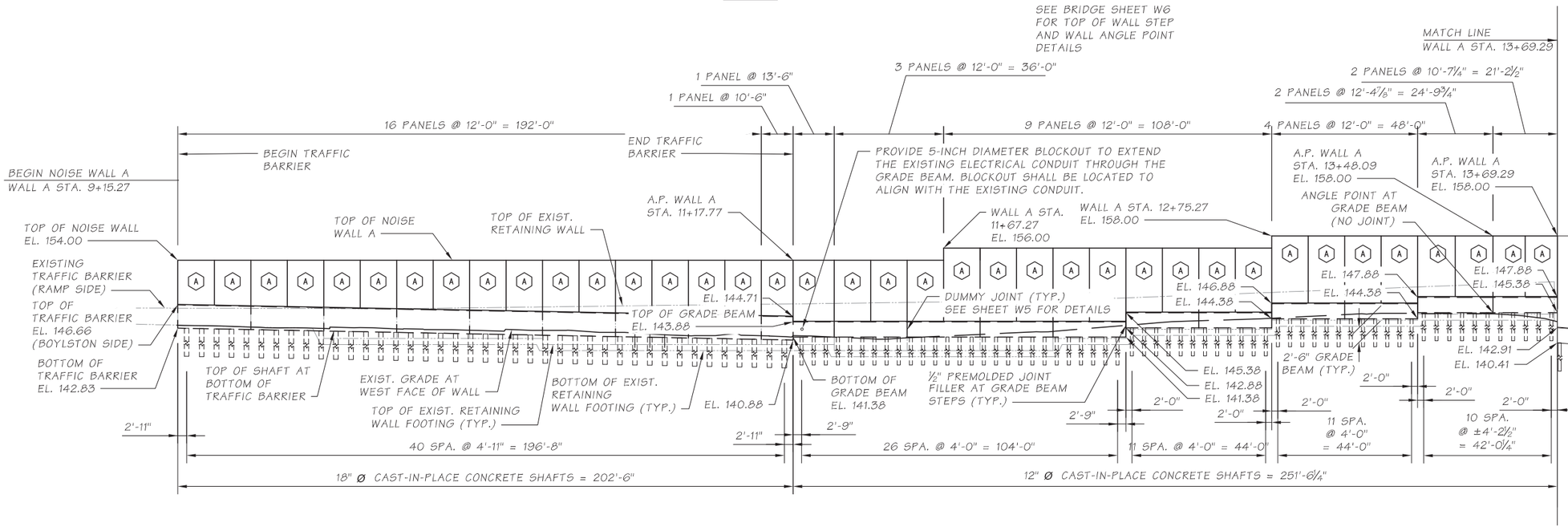
I-5



PLAN

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2024.
2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION 2020. THE INTEGRATED TRAFFIC BARRIERS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS FOR TEST LEVEL 4 (TL-4) RAILINGS.
3. THE CONCRETE IN SHAFTS SHALL BE CLASS 5000P. ALL OTHER CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
4. UNLESS OTHERWISE SHOWN IN THE PLANS, CONCRETE COVER MEASURED FROM THE FACE OF CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 3" AT THE BOTTOM OF GRADE BEAM AND 2" AT ALL OTHER LOCATIONS.
5. CONDUITS, JUNCTION BOXES, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THESE PLANS WITH THE I.T.S. AND OTHER CIVIL PLANS.
6. EXISTING FEATURES AND DIMENSIONS ARE BASED ON INSPECTION REPORTS AND AS-BUILT PLANS. ALL RELEVANT DIMENSIONS SHALL BE FIELD MEASURED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND PROCEEDING WITH CONSTRUCTION.
7. SEE GRADING PLAN ON SHEET GR1 FOR FINISHED GRADE ELEVATIONS.



ELEVATION

(VERTICAL SCALE EXAGGERATION = 2X)

⬡ LETTER FOR SELECTION OF REINFORCEMENT. SEE TABLE OF REINF. ON BR. SHT. W4.

NOISE WALL

SR ____ FILE NO. ____ SHEET ____

Bridge Design Engr.	A. Leland									
Supervisor	S. Javidi									
Designed By	P. Wong									
Checked By	S. Javidi									
Detailed By	P. Onstott									
Bridge Projects Engr.	M. Rosa									
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER 23A009				

SEE SHEET GT1 DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

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(360) 357-8289
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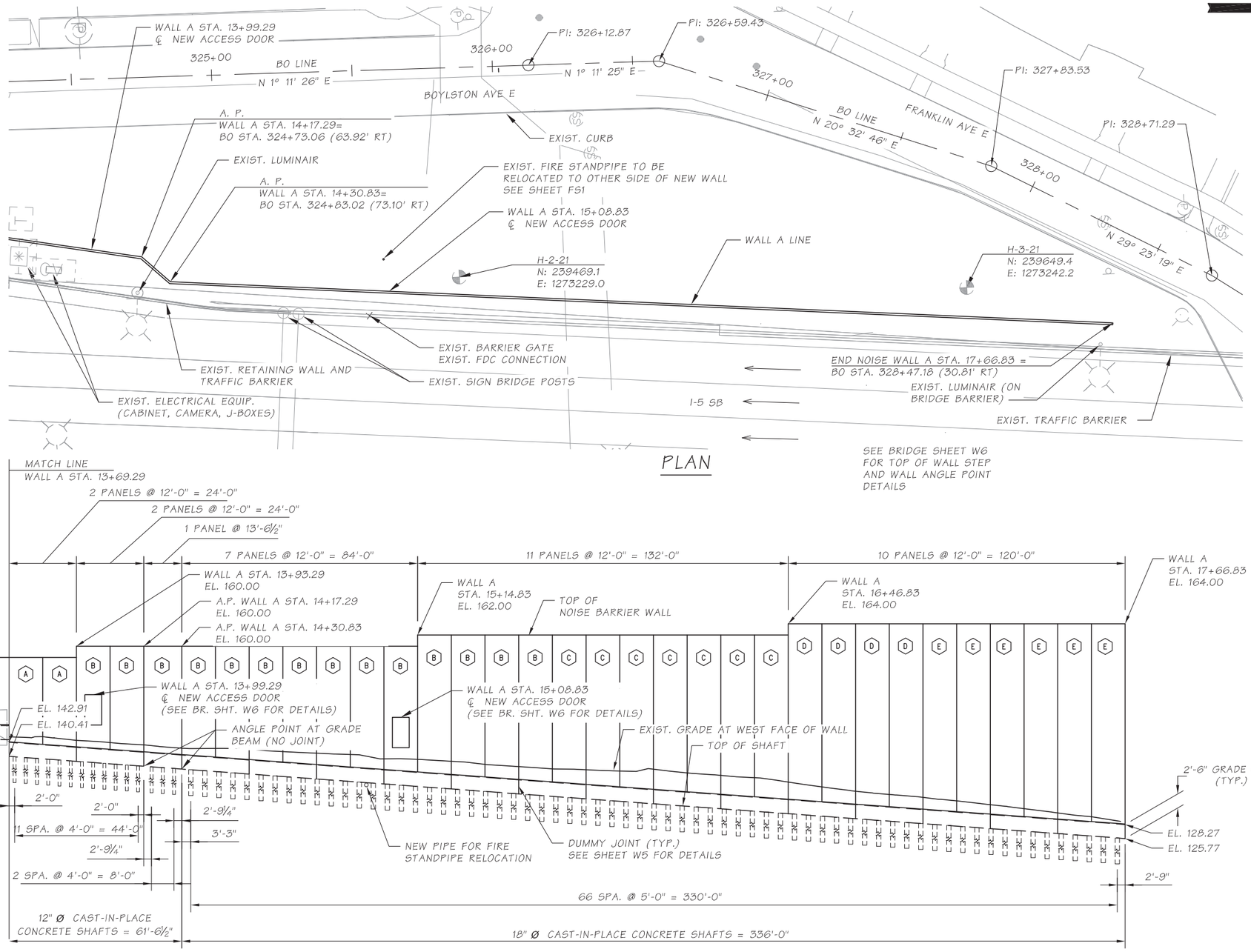
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

NOISE WALL A LAYOUT 1 OF 2

BRIDGE SHEET NO. W1

SHEET 28 OF 52 SHEETS



PLAN

ELEVATION

(VERTICAL SCALE EXAGGERATION = 2X)

⬡ LETTER FOR SELECTION OF REINFORCEMENT. SEE TABLE OF REINF. ON BR. SHT. W4.

SR ____ FILE NO. ____ SHEET ____

Bridge Design Engr.	A. Leland					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	S. Javidi					10	WASH.			
Designed By	P. Wong					JOB NUMBER				
Checked By	S. Javidi					23A009				
Detailed By	P. Onstott									
Bridge Projects Engr.	M. Rosa									
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

SAMEED JAVIDI NIROOMAND — STATE OF WASHINGTON — 23900 — REGISTERED PROFESSIONAL ENGINEER — SEE SHEET GT1 DATE

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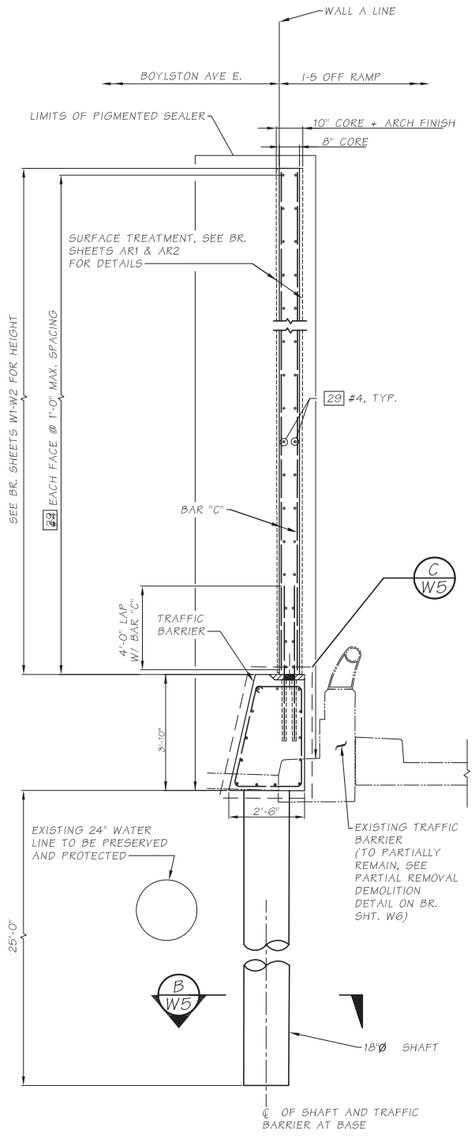
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

NOISE WALL A LAYOUT 2 OF 2

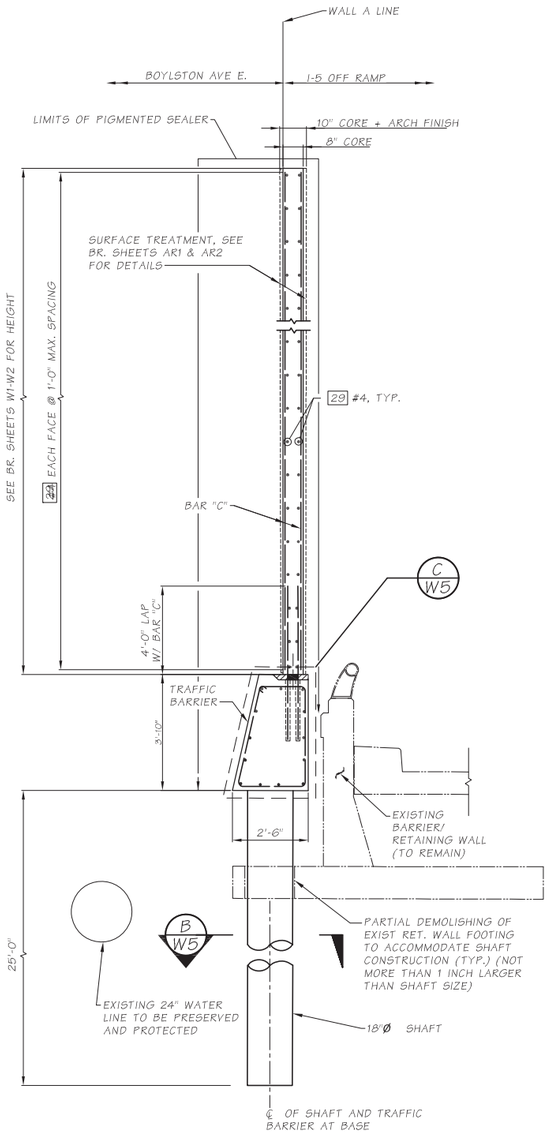
BRIDGE SHEET NO. W2

SHEET 29 OF 52 SHEETS



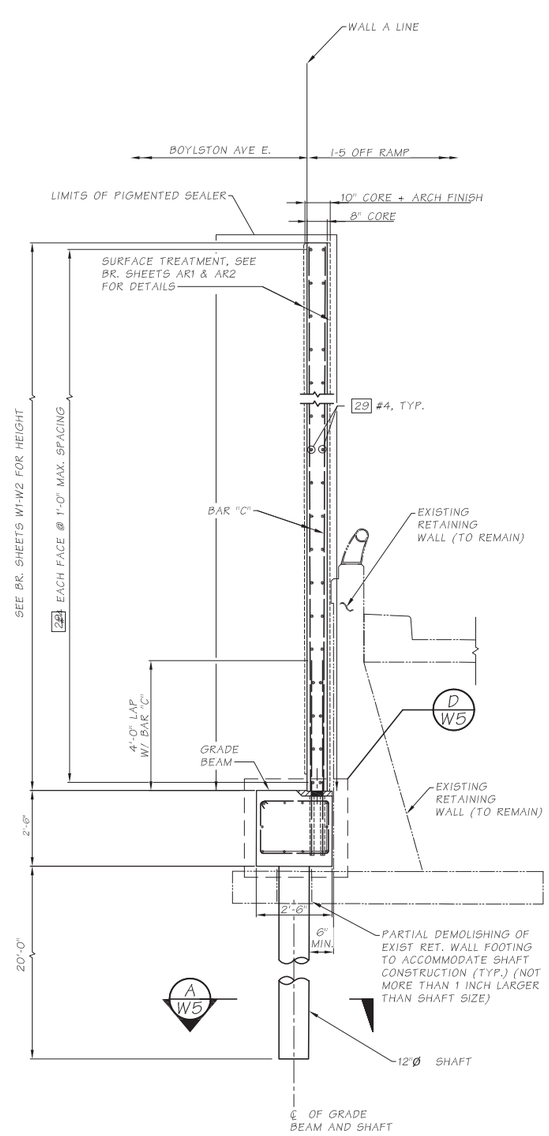
TYPICAL SECTION

WALL A STA. 9+15.27 TO 9+63.27



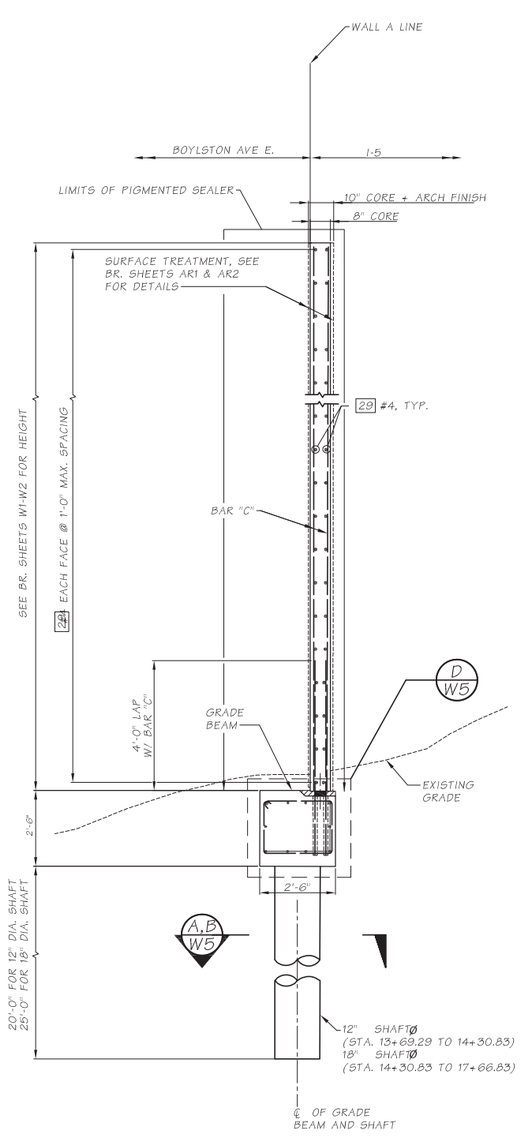
TYPICAL SECTION

WALL A STA. 9+63.27 TO 11+17.77



TYPICAL SECTION

WALL A STA. 11+17.77 TO 13+69.29



TYPICAL SECTION

WALL A STA. 13+69.29 TO 17+66.83

SR FILE NO. SHEET

Bridge Design Engr.	A. Leland					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	S. Javidi					10	WASH.			
Designed By	P. Wong					JOB NUMBER 23A009				
Checked By	S. Javidi									
Detailed By	P. Onstott									
Bridge Projects Engr.	M. Rosa									
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

DAVID JAVIDI NIKKHAH — STATE OF WASHINGTON — 53908 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET GT1 DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

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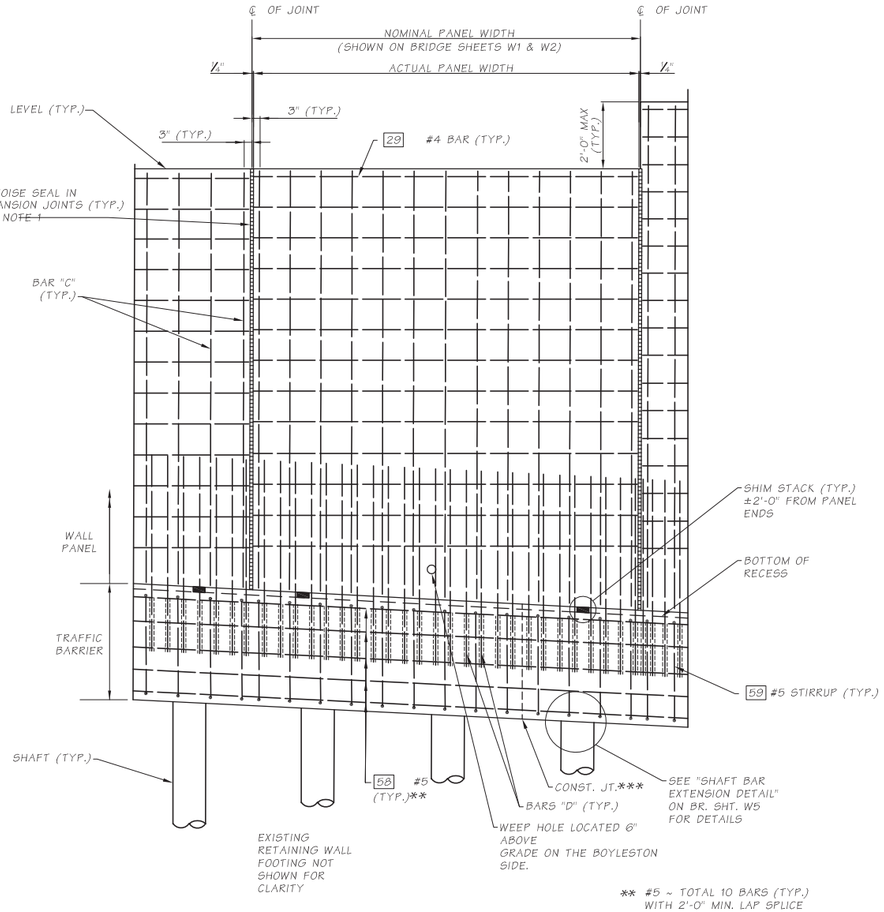
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TYPICAL SECTIONS

BRIDGE SHEET NO. W3

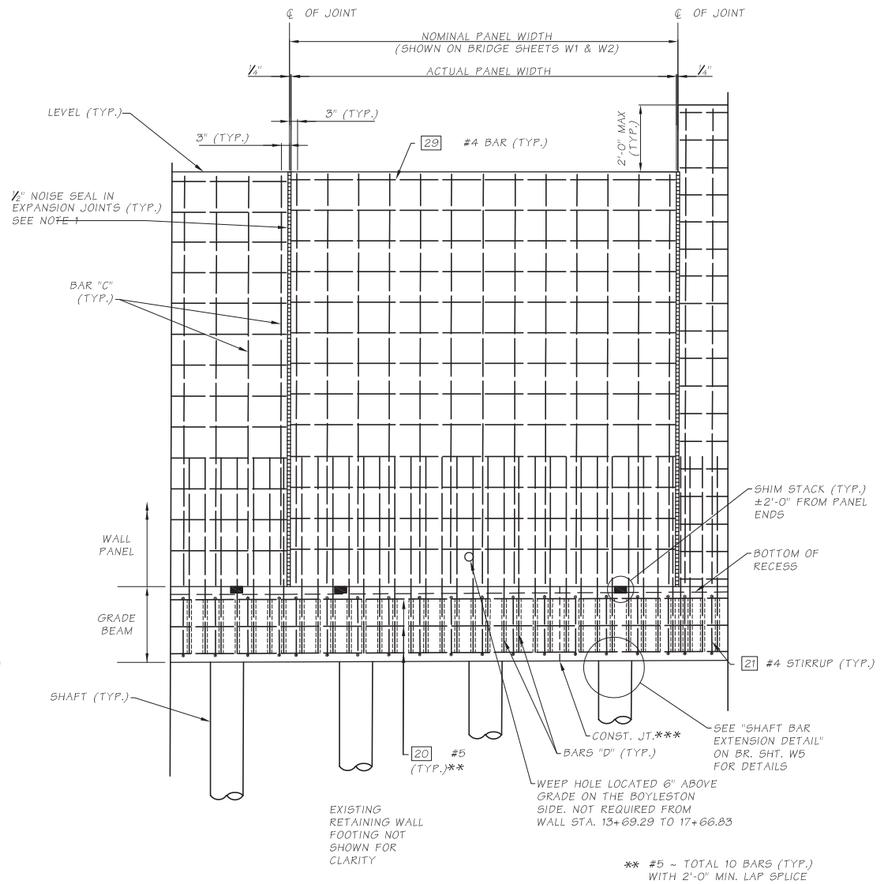
SHEET 30 OF 52 SHEETS



** #5 ~ TOTAL 10 BARS (TYP.) WITH 2'-0" MIN. LAP SPLICE

*** VERTICAL CONST. JOINT W/ ROUGHENED SURFACE IN THE GRADE BEAM SHALL BE SPACED AT 120 FEET MAXIMUM

TYPICAL ELEVATION (SLOPED TRAFFIC BARRIER)



** #5 ~ TOTAL 10 BARS (TYP.) WITH 2'-0" MIN. LAP SPLICE

*** VERTICAL CONST. JOINT W/ ROUGHENED SURFACE IN THE GRADE BEAM SHALL BE SPACED AT 120 FEET MAXIMUM

TYPICAL ELEVATION (LEVEL GRADE BEAM, SLOPED SIMILAR)

WALL PANEL/TRAFFIC BARRIER/GRADE BEAM BAR LIST

NOMINAL PANEL WIDTH	MARK	BAR SIZE	BARS PER PANEL	LENGTH PER PANEL	BEND TYPE	WT. (LBS) TOTAL
10'-6"	29	#4	(a)	10'-4"	STRAIGHT	138
	"C"	(b)	22	(a)	STRAIGHT	203
	"D"	(b)	44	6'-2"	STRAIGHT	408
	58	#5	13	(a)	STRAIGHT	140
	59	#5	11	10'-6"	BENT	120
10'-7 ½"	29	#4	(a)	10'-5½"	STRAIGHT	307
	"C"	(b)	22	(a)	STRAIGHT	438
	"D"	(b)	44	6'-2"	STRAIGHT	815
12'-0"	29	#4	(a)	11'-10"	STRAIGHT	19461
	"C"	(b)	26 / 34*	(a)	STRAIGHT	57265
	"D"	(b)	124	6'-2"	STRAIGHT	36301
	58	#5	13	(a)	STRAIGHT	2567
	59	#5	13	10'-6"	BENT	2278
12'-4 7/8"	29	#4	(a)	12'-3"	STRAIGHT	360
	"C"	(b)	26	(a)	STRAIGHT	517
	"D"	(b)	52	6'-2"	STRAIGHT	963
13'-6"	29	#4	(a)	13'-4"	STRAIGHT	196
	"C"	(b)	28	(a)	STRAIGHT	287
	"D"	(b)	56	6'-2"	STRAIGHT	520
13'-6 ½"	29	#4	(a)	13'-4"	STRAIGHT	357
	"C"	(b)	28	(a)	STRAIGHT	787
	"D"	(b)	56	6'-2"	STRAIGHT	520
GRADE BEAM	20	#5	10	(a)	STRAIGHT	6780
	21	#4	(a)	9'-0"	BENT	3912

(a) ~ DETERMINED FROM PLANS
(b) SEE "NOISE WALL PANEL REINF TABLE" THIS SHEET
* 26 BARS FOR WALL HEIGHTS < 33 FT.
34 BARS FOR WALL HEIGHTS > 33 FT.

NOISE WALL PANEL REINF. TABLE

WALL HEIGHT②	BAR "C"	BAR "D"
A	#5 @ 12"	#6 @ 6"
B	#6 @ 12"	#6 @ 6"
C	#7 @ 12"	#7 @ 6"
D	#8 @12"	#7 @ 4"
E	#8 @ 9"	#7 @ 4"

NOTES

1. NOISE SEAL SHALL BE EXTENDED FOR THE ENTIRE HEIGHT OF THE PANELS INCLUDING AT GRADE BEAM'S STEPS.

SR ____ FILE NO. ____ SHEET ____

Bridge Design Engr.	A. Leland										
Supervisor	S. Javidi										
Designed By	P. Wong										
Checked By	S. Javidi										
Detailed By	P. Onstott										
Bridge Projects Engr.	M. Rosa										
Prelim. Plan By											
Architect/Specialist		DATE	REVISION	BY	APP'D						

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER 23A009				

DAVID JAVIDI NIKOUMANESH — STATE OF WASHINGTON — 53908 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET CT1 DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

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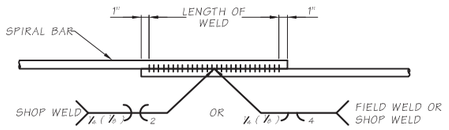
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

REINFORCEMENT BAR DETAILS

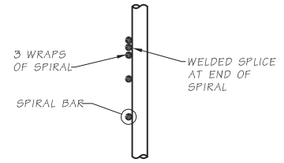
BRIDGE SHEET NO. W4

SHEET 31 OF 52 SHEETS

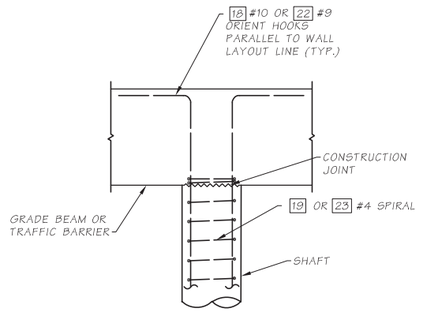


WELDED LAP SPLICE DETAIL

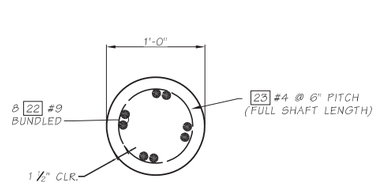
WELDING SHALL MEET THE REQUIREMENTS OF STD. SPEC. 6-02.3(24)E
FOR WELD DIMENSIONS, SEE TABLE BELOW



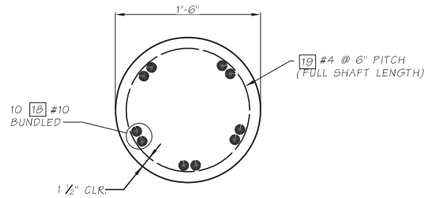
SPIRAL TERMINATION DETAIL



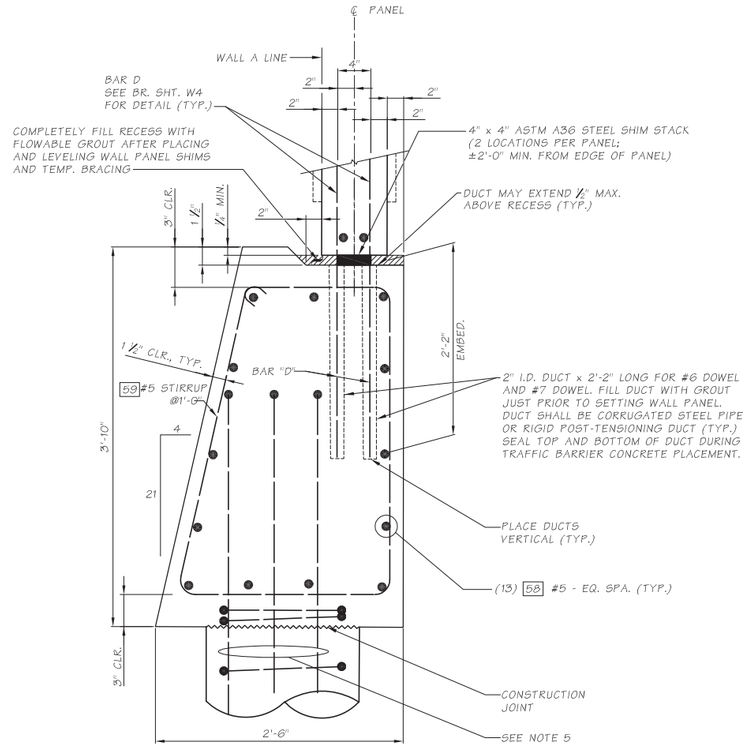
SHAFT BAR EXTENSION DETAIL



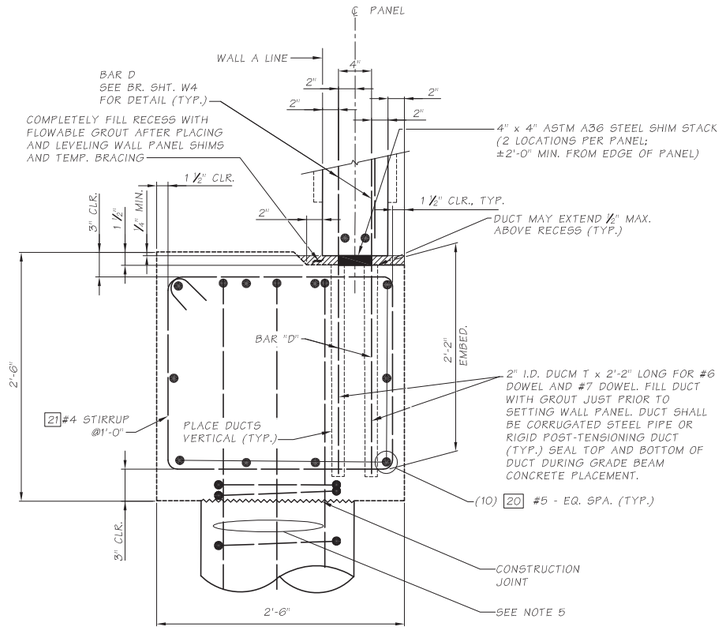
SECTION A W3



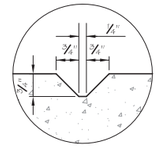
SECTION B W3



TRAFFIC BARRIER DETAIL C W3



GRADE BEAM DETAIL D W3



DUMMY JOINT DETAIL

(TOP AND SIDES OF THE GRADE BEAM)

SHAFT BAR LIST

SHAFT REQUIRED	MARK	BAR SIZE	BARS PER SHAFT	BAR LENGTH (a)	BEND TYPE	WT. (LBS) PER SHAFT
108	18	#10	10	28'-9"	HOOK	1248
	19	#4	1	25'-0"	SPIRAL	161
77	22	#9	8	23'-7"	HOOK	653
	23	#4	1	20'-0"	SPIRAL	86

19 1'-3"
23 0'-9"

SPIRAL

(a)

HOOK

WEIGHT DOES NOT INCLUDE SPLICES

NOTES

1. DUCTS SHALL BE PLACED AND SECURED IN THE TRAFFIC BARRIER/GRADE BEAM FORMS USING A TEMPLATE TO MATCH BAR D SPACING IN PRECAST NOISE BARRIER PANELS.
2. GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT RELEASE OF BRACING.
3. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL AN INSTALLATION PLAN FOR SETTING THE PRECAST PANELS. THE SUBMITTAL SHALL INCLUDE AT A MINIMUM, THE CONSISTENCY OF GROUT TO BE USED IN THE RECESS, AND THE METHOD FOR BRACING THE PANELS WHILE THE GROUT CURES. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE METHOD FOR GROUTING THE DUCTS, SUCH AS PUMPING GROUT INTO THE DUCTS AFTER PLACEMENT OF THE PANEL BY USING GROUT TUBES. THE FIRST PANEL SET SHALL BE CONSIDERED A TEST PANEL. WORK SHALL NOT PROCESS WITH ADDITIONAL PANELS UNTIL RECEIVING APPROVAL OF THE ENGINEER.
4. THE CONTRACTOR TO VERIFY THE DUCT LOCATION DOES NOT CONFLICT WITH LONGITUDINAL BARS IN THE SHAFT.
5. POSITION SHAFT VERTICAL BARS TO AVOID INTERFERENCE WITH THE DUCTS.

SR ____ FILE NO. ____ SHEET ____

Bridge Design Engr.	A. Leland									
Supervisor	S. Javidi									
Designed By	P. Wong									
Checked By	S. Javidi									
Detailed By	P. Onstott									
Bridge Projects Engr.	M. Rosa									
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER 23A009				

SEE SHEET CTL DATE

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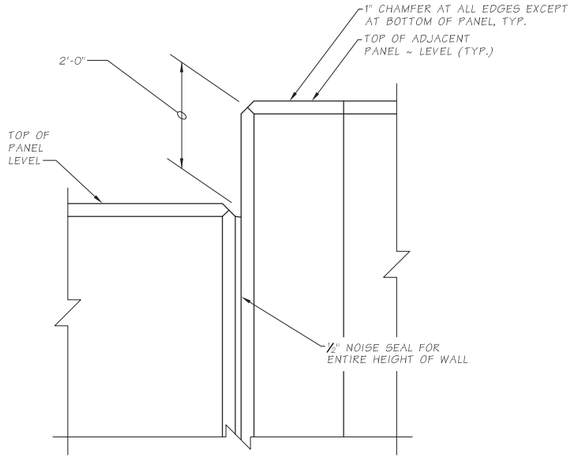
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

MISC. DETAILS 1 OF 2

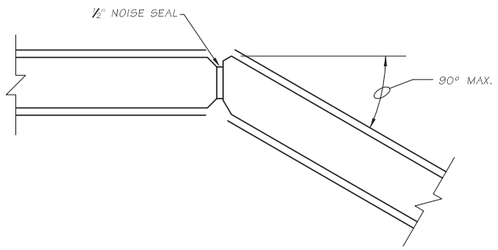
BRIDGE SHEET NO. W5

SHEET 32 OF 52 SHEETS

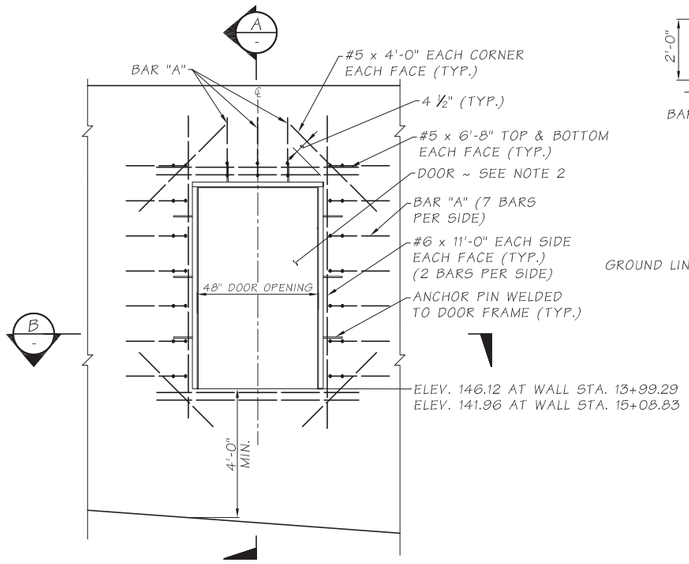


ELEVATION VIEW

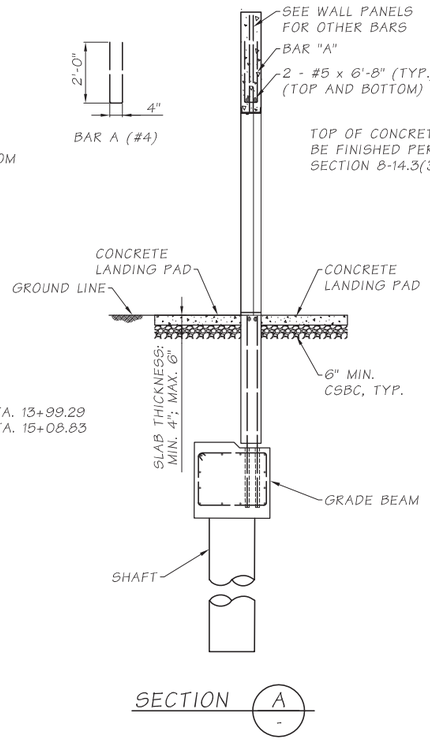
STEP DETAIL



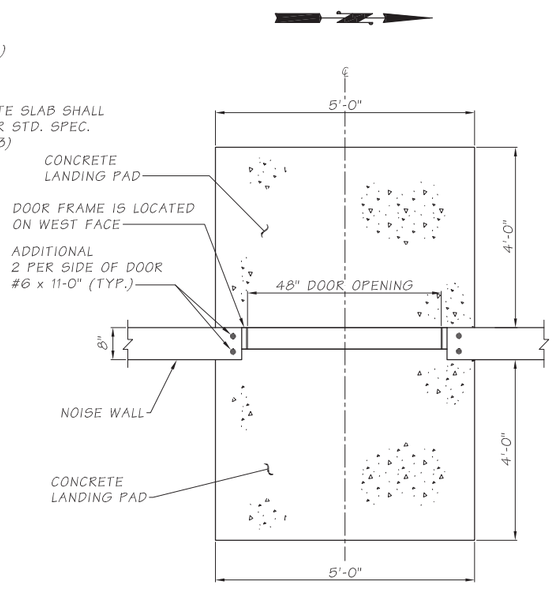
ANGLE JOINT DETAIL



ELEVATION

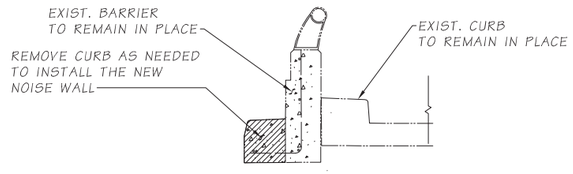


SECTION A



SECTION B

NOISE BARRIER WALL ACCESS DOOR



EXISTING BARRIER - PARTIAL REMOVAL DETAIL

WALL A STA. 9+15.27 TO 9+63.27

NOTES

1. SEE STANDARD PLAN D-2.92 FOR DOOR AND FRAME DETAILS.
2. ALL BARS SHOWN ON THIS SHEET ARE ADDITIONAL BARS. SEE OTHER SHEETS FOR GENERAL WALL BAR ARRANGEMENT.
3. BACKFILL AND REGRADING MAY BE REQUIRED FOR CONCRETE SLAB ESTABLISHMENT.

SR ____ FILE NO. ____ SHEET ____

Bridge Design Engr.	A. Leland					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	
Supervisor	S. Javidi					10	WASH.				
Designed By	P. Wong					JOB NUMBER 23A009					
Checked By	S. Javidi										
Detailed By	P. Onstott										
Bridge Projects Engr.	M. Rosa										
Prelim. Plan By											
Architect/Specialist		DATE	REVISION	BY	APP'D						

SAEED JAVIDI NIROOMAND — STATE OF WASHINGTON — 53908 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET CTL DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

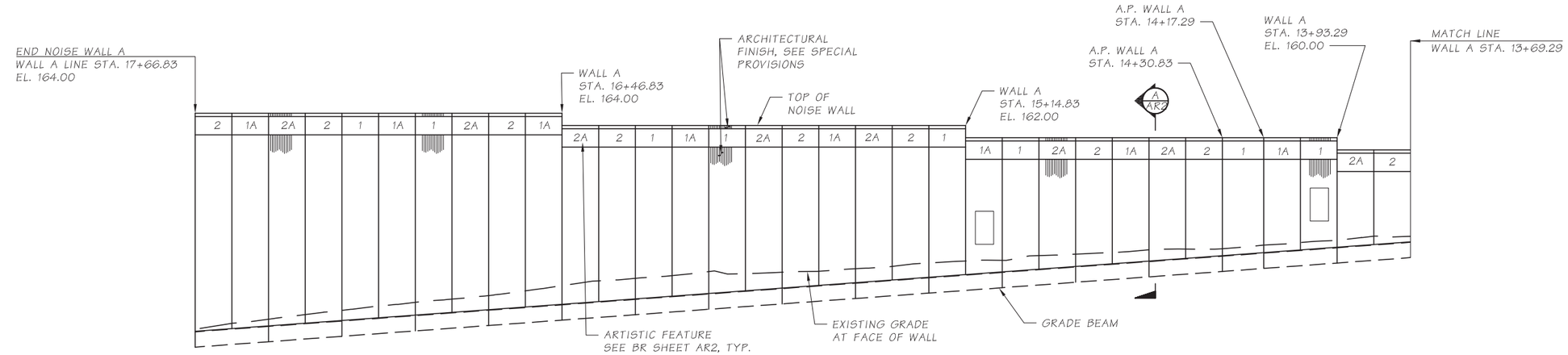
exeltech
8729 Commerce Pl Dr. NE
Lacey, WA 98516
(360) 357-8289
www.xltech.com

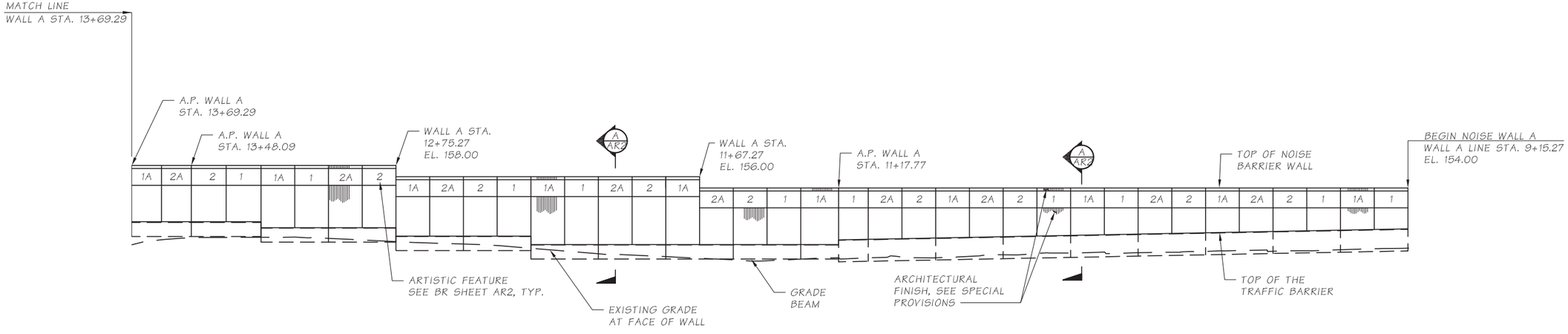
I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

MISC. DETAILS 2 OF 2

BRIDGE SHEET NO. W6

SHEET 33 OF 52 SHEETS





WALL A ELEVATION

FACING EAST
(OPPOSITE SIDE OF PANEL FINISH IS FRACTURED FIN ONLY)

NOTES

1. FOR WALL STATIONING NOT SHOWN SEE BR. SHTS. W1 AND W2.
2. SEE BR. SHTS. W1 AND W2 FOR BOTTOM OF WALL ELEVATIONS AND DETAILS.
3. APPLY PIGMENTED SEALER TO ALL EXPOSED CONCRETE SURFACES.
4. THE BASIC REPEATABLE PATTERN STARTING AT THE NORTH END OF THE WALL IS: 2, 1A, 2A, 2, 1, 1A, 1, 2A.

SR ____ FILE NO. ____ SHEET ____

Bridge Design Engr.	A. Leland										
Supervisor	S. Javidi										
Designed By	P. Wong										
Checked By	S. Javidi										
Detailed By	P. Onstott										
Bridge Projects Engr.	M. Rosa										
Prelim. Plan By											
Architect/Specialist		DATE	REVISION	BY	APP'D						

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			

JOB NUMBER 23A009

SAEED JAVIDI NIKOUMAN — STATE OF WASHINGTON — 53909 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET CTL
DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

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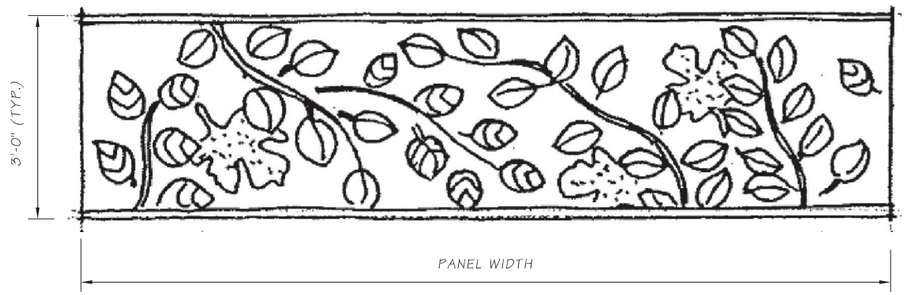
www.xltech.com

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

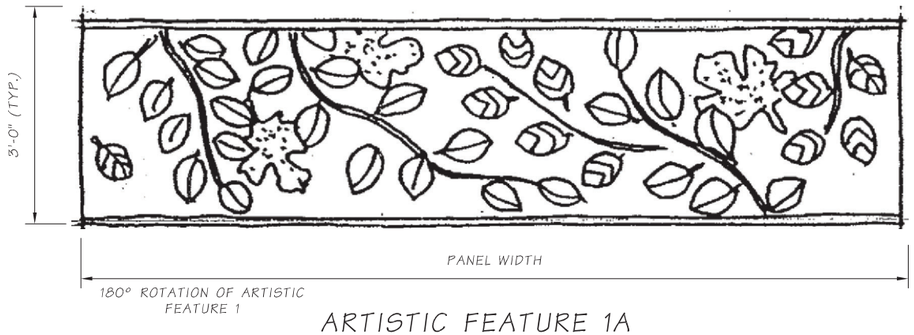
ARCHITECTURAL ELEVATIONS

BRIDGE SHEET NO. AR1

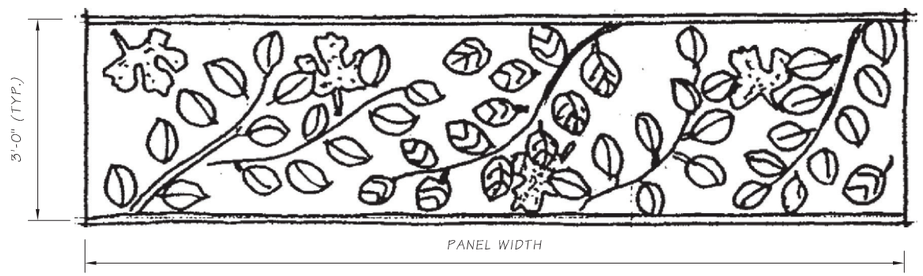
SHEET 34 OF 52 SHEETS



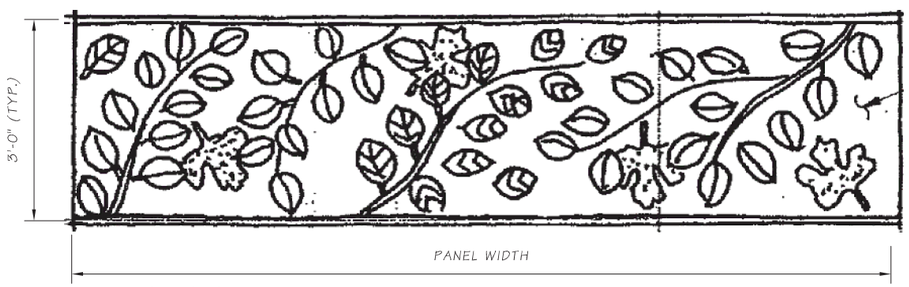
ARTISTIC FEATURE 1



ARTISTIC FEATURE 1A

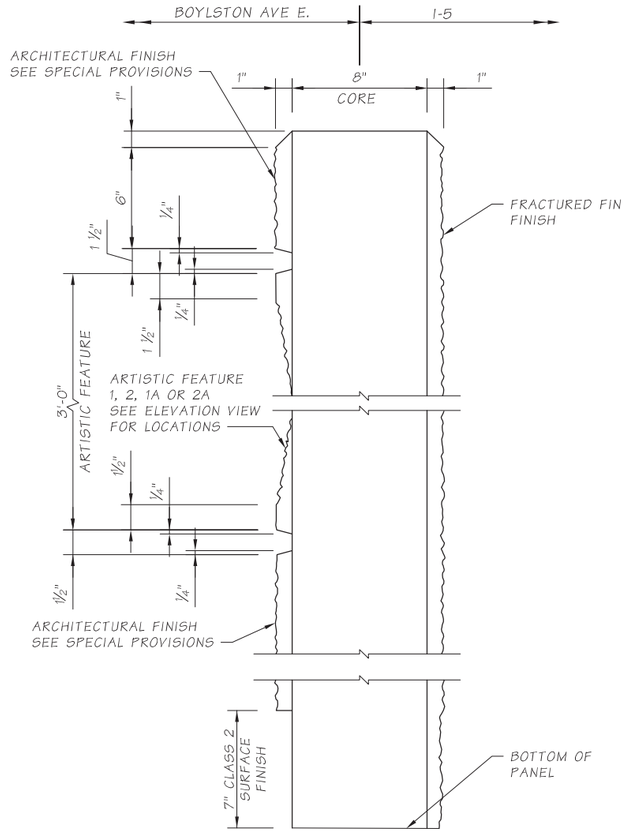


ARTISTIC FEATURE 2



ARTISTIC FEATURE 2A

NOTE: CROP OR EXPAND ARTISTIC FEATURE AS REQUIRED TO PROVIDE DIMENSIONS OTHER THAN 12'-0"



SECTION A / AR1

SR ____ FILE NO. ____ SHEET ____

Bridge Design Engr.	A. Leland					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	S. Javidi					10	WASH.			
Designed By	P. Wong					JOB NUMBER 23A009				
Checked By	S. Javidi									
Detailed By	P. Onstott									
Bridge Projects Engr.	M. Rosa									
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

SAMEER JAVIDI NITIN MANE — STATE OF WASHINGTON — 53998 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET GTL DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

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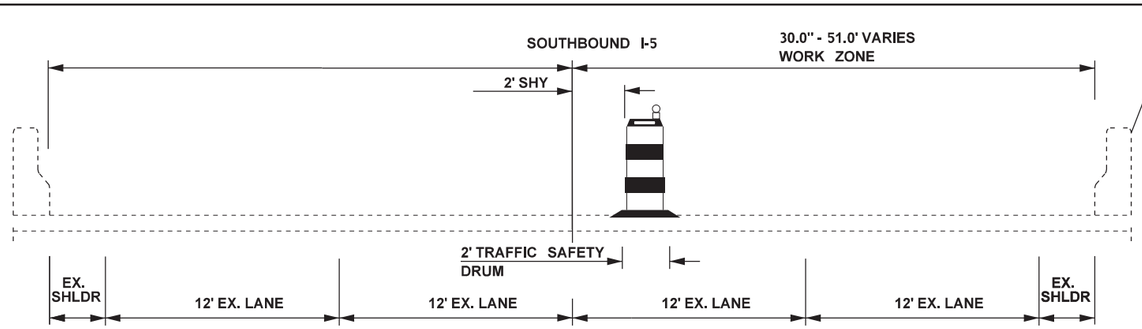
8729 Commerce Pl. Dr. NE
Lacey, WA 98516
(360) 357-8289
www.xltech.com

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

NOISE WALL A
ARCHITECTURAL DETAILS

BRIDGE SHEET NO. AR2

SHEET 35 OF 52 SHEETS

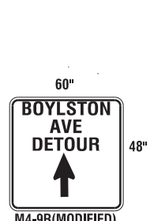


TWO LANE CLOSURE CROSS SECTION
STA A 13+10 TO STA A 17+60

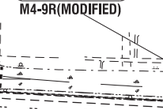
EX. BARRIER
RETAINING WALL

NOTES
1. FOR SB I-5 TO BOYLSTON AVE OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1
2. FOR COMPLETE SET OF TRAFFIC CONTROL TABLES SEE TC2

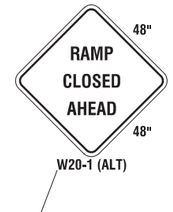
LEGEND
- CLASS B SIGN
- 5' SIGN MOUNTING
- TRAFFIC SAFETY DRUM WITH TYPE C WARNING LIGHTS
- TALL CHANELLIZING DEVICE
- SEQUENTIAL ARROW SIGN
- TYPE 2 BARRICADE
- TYPE 3 BARRICADE
- WORK AREA
- TREE PLANTING AREA
- TRANSPORTABLE ATTENUATOR
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- FLAGGING STATION
- SPOTTER



M4-9R(MODIFIED)



TYPE III BARRICADE
W/ R11-201 SIGN
W/ TYPE C LIGHTS
BLACK/WHITE
48"X30"
(ONE PER LANE)



W20-1 (ALT)

I-5 SB DOUBLE LANE AND SB BOYLSTON AVE E OFF RAMP CLOSURE (1 OF 6)
NOT TO SCALE

RAMP
WILL BE
CLOSED
MON DA - MON DA
XPM XAM

R11-1501
48" x 60" B/W
INSTALL 5 DAYS MIN. PRIOR TO CLOSURE

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

SIGN SPACING = X (1)

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_1_Typicals.dgn					
TIME	14:31:23					
DATE	12/21/2023					
PLOTTED BY	mangaha					
DESIGNED BY	M.D. LONG					
ENTERED BY	Y. DAMTE					
CHECKED BY	A. YU					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

REGION NO. 10 | STATE WASH | JOB NUMBER 23A009 | CONTRACT NO. | LOCATION NO. | FED.AID PROJ.NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TRAFFIC CONTROL PLAN

Plot 21 | PLAN REF NO TC1 | SHEET 36 OF 52 SHEETS

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

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FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

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CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

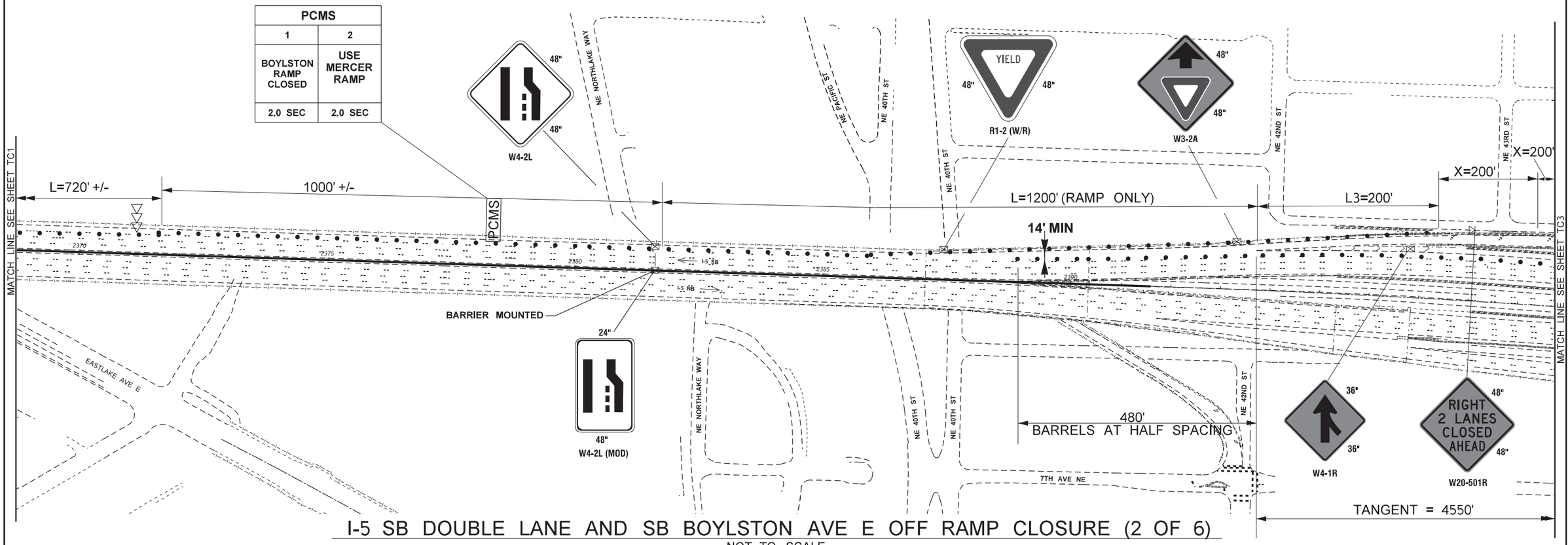
LONGITUDINAL BUFFER SPACE = B						
SPEED (MPH)	50	55	60	65	70	75
B (feet)	425	495	570	645	730	820

TANGENT BETWEEN LANE CLOSURE TAPERS = 2L							
LANE WIDTH	SPEED (MPH)	50	55	60	65	70	75
12'	L (feet)	1200	1320	1440	1560	1680	1800

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT LESS THAN 22,000 lbs.			HOST VEHICLE WEIGHT 22,000+ lbs.		
UP TO 40 MPH	45-55 MPH	60+ MPH	UP TO 40 MPH	45-55 MPH	60+ MPH
100'	123'	172'	74'	100'	150'
PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R					
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW.					

NOTES

1. FOR SB I-5 TO BOYLSTON AVE OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1
2. FOR LEGEND SEE TC1



I-5 SB DOUBLE LANE AND SB BOYLSTON AVE E OFF RAMP CLOSURE (2 OF 6)

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_1_TypIcals.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	Plot 22
TIME	14:31:25				10	WASH		PLAN REF NO TC2
DATE	12/21/2023				JOB NUMBER 23A009			
PLOTTED BY	mangaha				CONTRACT NO.		LOCATION NO.	SHEET 37 OF 52 SHEETS
DESIGNED BY	M.D. LONG							
ENTERED BY	Y. DAMTE							
CHECKED BY	A. YU							
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY				

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TRAFFIC CONTROL PLAN

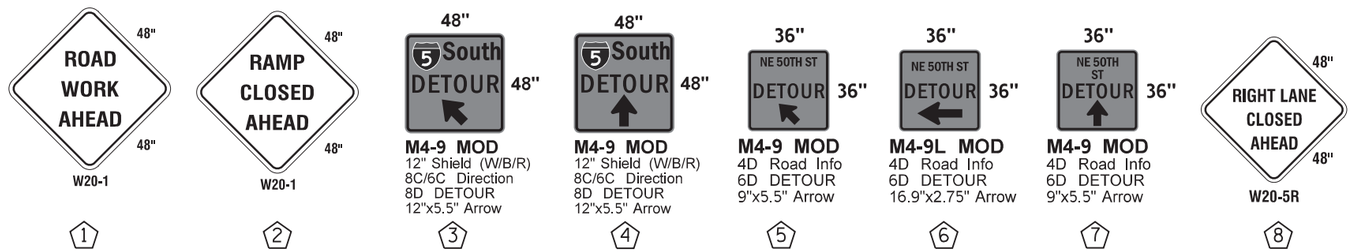
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

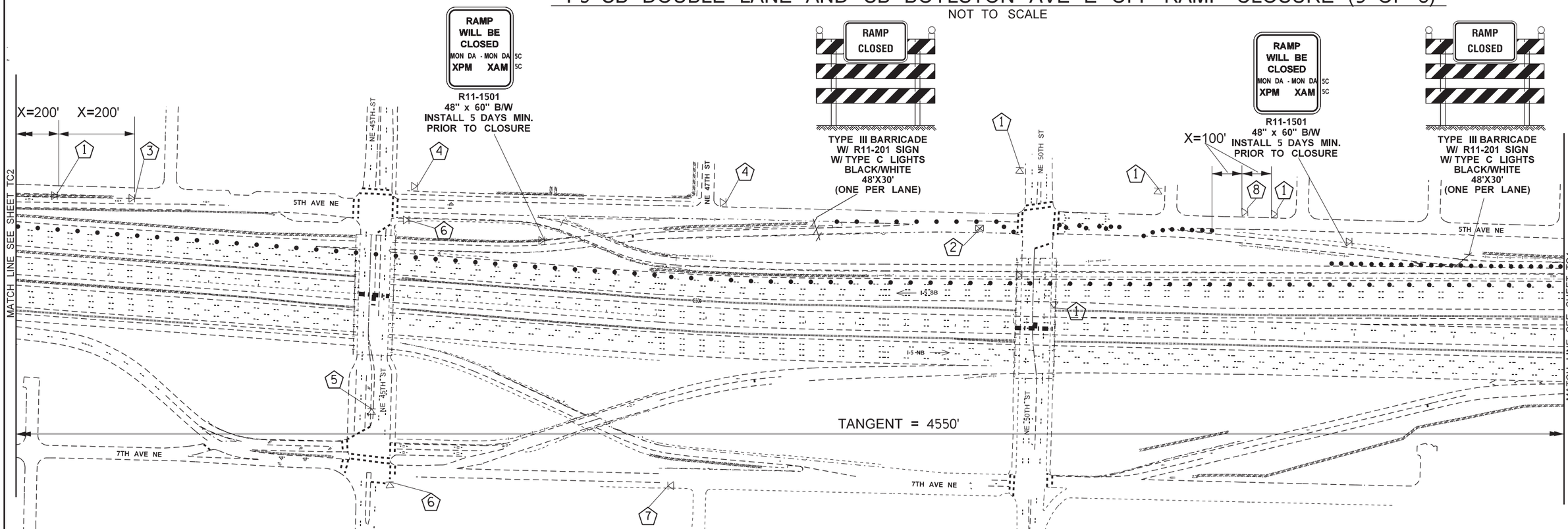


NOTES

1. FOR SB I-5 TO BOYLSTON AVE OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1
2. FOR LEGEND SEE TC1 FOR COMPLETE SET OF
3. TRAFFIC CONTROL TABLES SEE TC2

I-5 SB DOUBLE LANE AND SB BOYLSTON AVE E OFF RAMP CLOSURE (3 OF 6)

NOT TO SCALE



FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_1_Typicals.dgn						
TIME	14:31:28						
DATE	12/21/2023						
PLOTTED BY	mangaha						
DESIGNED BY	M.D. LONG						
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
23A009		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TRAFFIC CONTROL PLAN

Plot 23

PLAN REF NO
TC3

SHEET 38 OF 52 SHEETS

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
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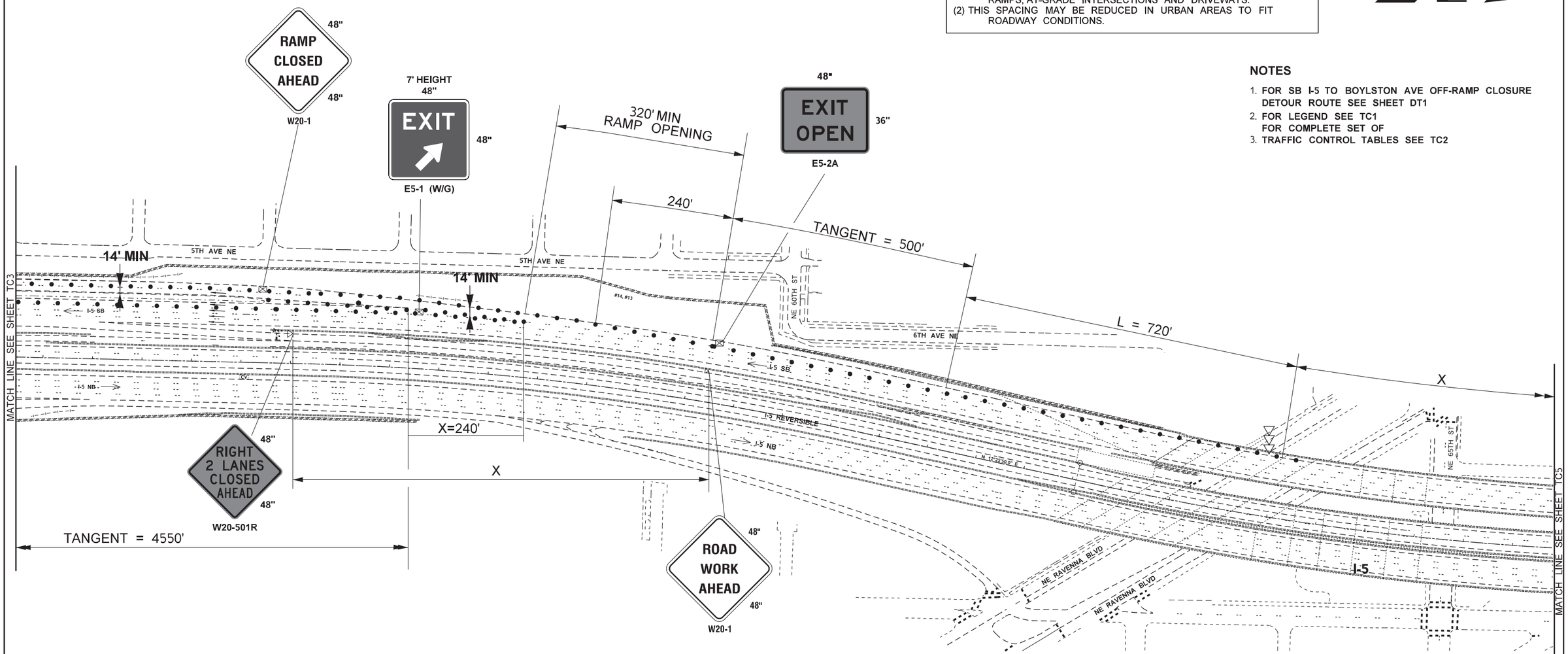
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



NOTES

1. FOR SB I-5 TO BOYLSTON AVE OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1
2. FOR LEGEND SEE TC1 FOR COMPLETE SET OF
3. TRAFFIC CONTROL TABLES SEE TC2

I-5 SB DOUBLE LANE AND SB BOYLSTON AVE E OFF RAMP CLOSURE (4 OF 6)

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_1_TypIcals.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	14:31:31				10	WASH	
DATE	12/21/2023				JOB NUMBER		
PLOTTED BY	mangaha				23A009		
DESIGNED BY	M. DOMANSKA				CONTRACT NO.		LOCATION NO.
ENTERED BY	M. DOMANSKA						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SB E EDGAR ST TO E GWINN PL NOISE WALL

TRAFFIC CONTROL PLAN

PLAN REF NO TC4

SHEET 39 OF 52 SHEETS

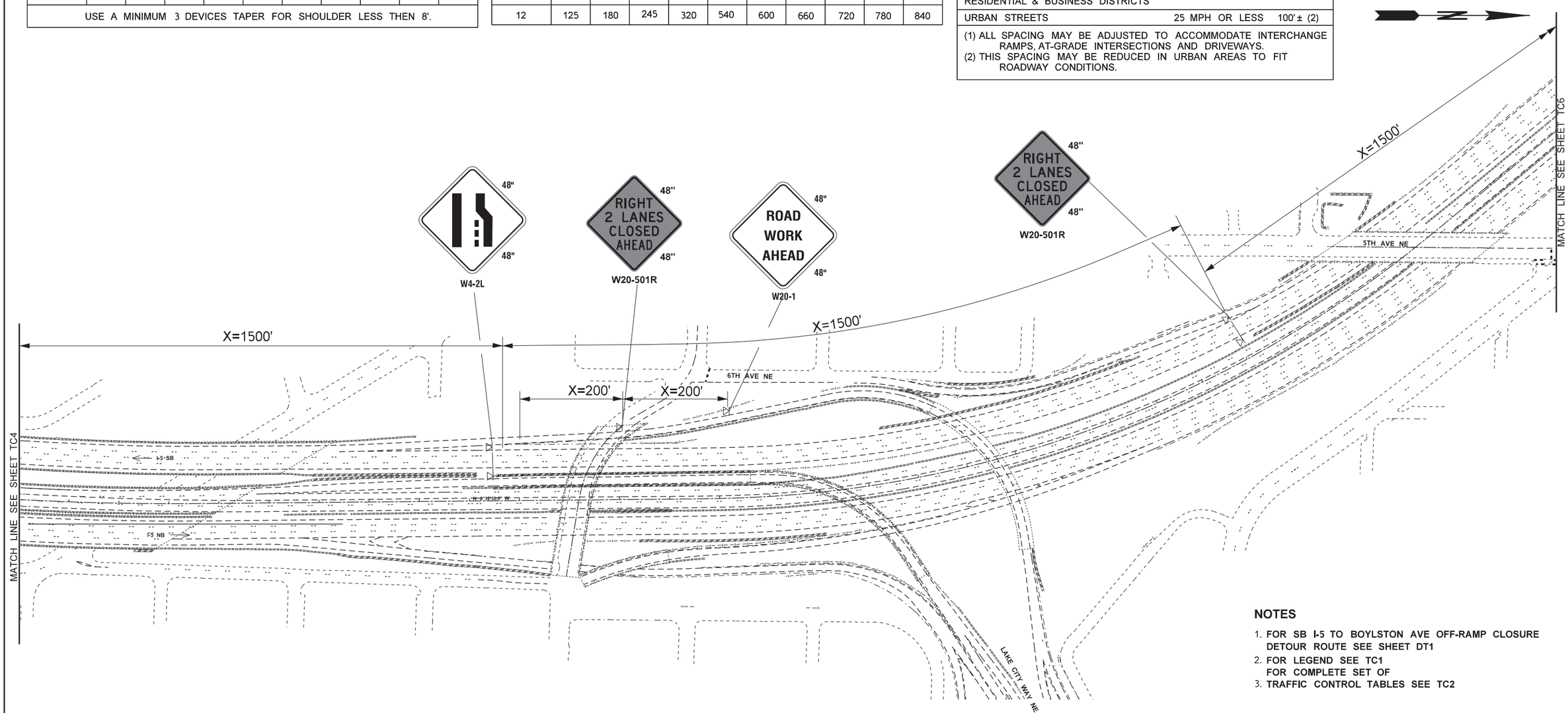
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



NOTES

1. FOR SB I-5 TO BOYLSTON AVE OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1
2. FOR LEGEND SEE TC1 FOR COMPLETE SET OF
3. TRAFFIC CONTROL TABLES SEE TC2

I-5 SB DOUBLE LANE AND SB BOYLSTON AVE E OFF RAMP CLOSURE (5 OF 6)

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_1_TypIcals.dgn						
TIME	14:31:34						
DATE	12/21/2023						
PLOTTED BY	mangaha						
DESIGNED BY	M. DOMANSKA						
ENTERED BY	M. DOMANSKA						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
23A009		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

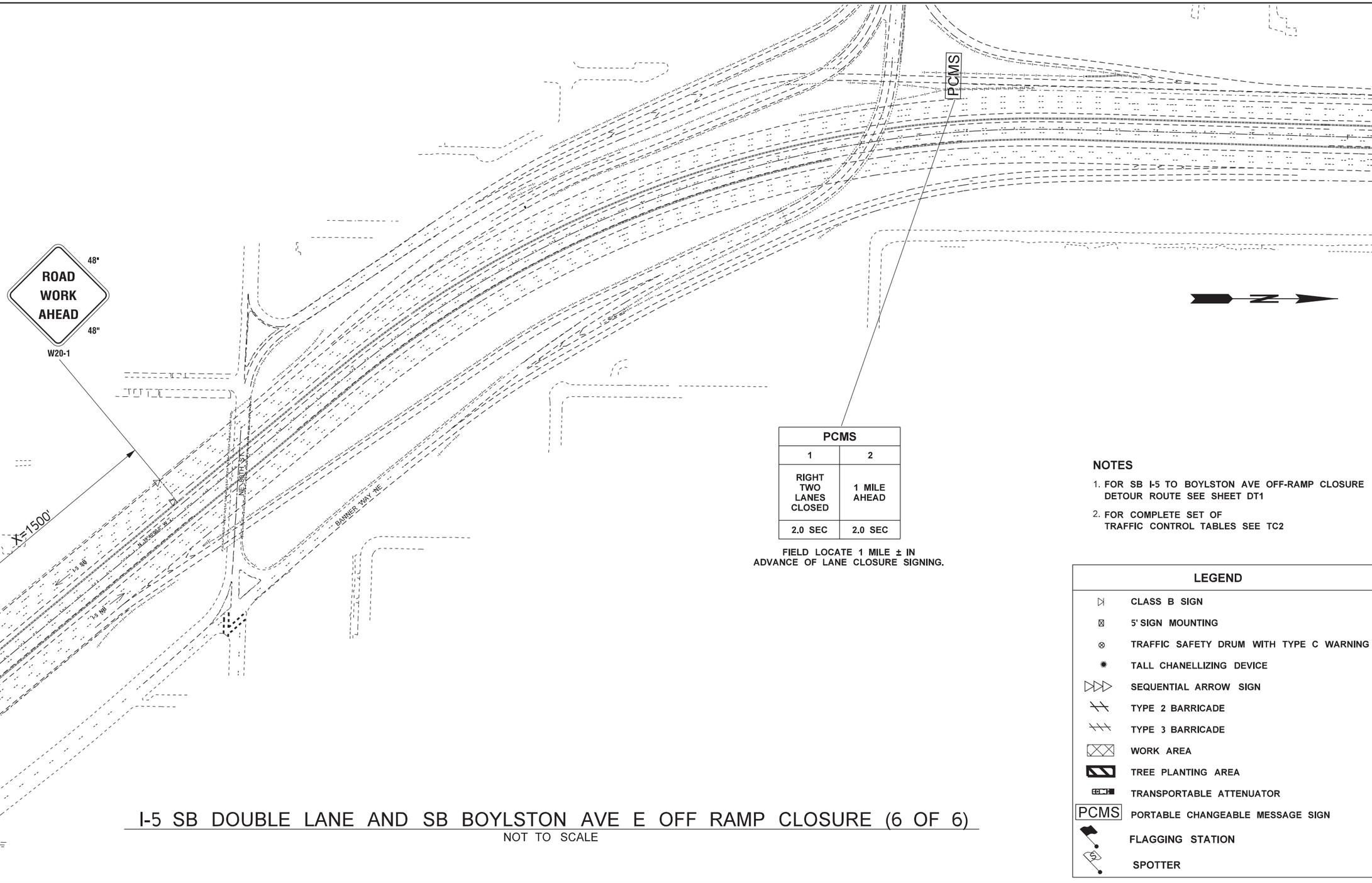
Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TRAFFIC CONTROL PLAN

PLAN REF NO TC5

SHEET 40 OF 52 SHEETS



PCMS	
1	2
RIGHT TWO LANES CLOSED	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

NOTES

1. FOR SB I-5 TO BOYLSTON AVE OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1
2. FOR COMPLETE SET OF TRAFFIC CONTROL TABLES SEE TC2

LEGEND

- CLASS B SIGN
- 5' SIGN MOUNTING
- TRAFFIC SAFETY DRUM WITH TYPE C WARNING LIGHTS
- TALL CHANELLIZING DEVICE
- SEQUENTIAL ARROW SIGN
- TYPE 2 BARRICADE
- TYPE 3 BARRICADE
- WORK AREA
- TREE PLANTING AREA
- TRANSPORTABLE ATTENUATOR
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- FLAGGING STATION
- SPOTTER

I-5 SB DOUBLE LANE AND SB BOYLSTON AVE E OFF RAMP CLOSURE (6 OF 6)

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_1_Typicals.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	14:31:36				10	WASH	
DATE	12/21/2023				JOB NUMBER		
PLOTTED BY	mangaha				23A009		
DESIGNED BY	M. DOMANSKA				CONTRACT NO.		LOCATION NO.
ENTERED BY	M. DOMANSKA						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TRAFFIC CONTROL PLAN

Plot 26

PLAN REF NO
TC6

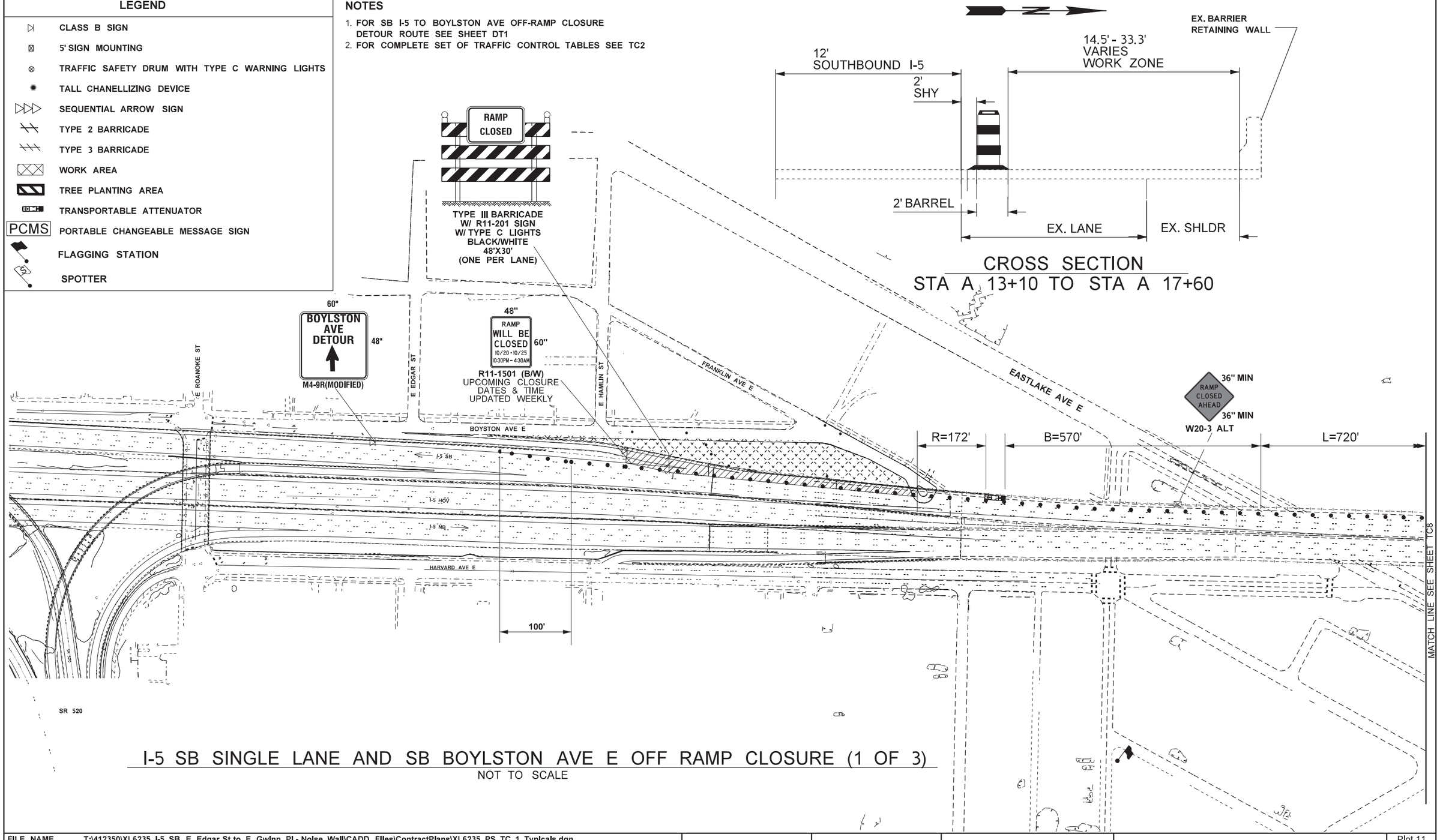
SHEET 41 OF 52 SHEETS

LEGEND

- CLASS B SIGN
- 5' SIGN MOUNTING
- TRAFFIC SAFETY DRUM WITH TYPE C WARNING LIGHTS
- TALL CHANELLIZING DEVICE
- SEQUENTIAL ARROW SIGN
- TYPE 2 BARRICADE
- TYPE 3 BARRICADE
- WORK AREA
- TREE PLANTING AREA
- TRANSPORTABLE ATTENUATOR
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- FLAGGING STATION
- SPOTTER

NOTES

1. FOR SB I-5 TO BOYLSTON AVE OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1
2. FOR COMPLETE SET OF TRAFFIC CONTROL TABLES SEE TC2



I-5 SB SINGLE LANE AND SB BOYLSTON AVE E OFF RAMP CLOSURE (1 OF 3)

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_1_Typicals.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	14:31:37				JOB NUMBER 23A009		
DATE	12/21/2023				CONTRACT NO.	LOCATION NO.	
PLOTTED BY	mangaha						
DESIGNED BY	M.D. LONG						
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL NOISE WALL

TRAFFIC CONTROL PLAN

Plot 11

PLAN REF NO TC7

SHEET 42 OF 52 SHEETS

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

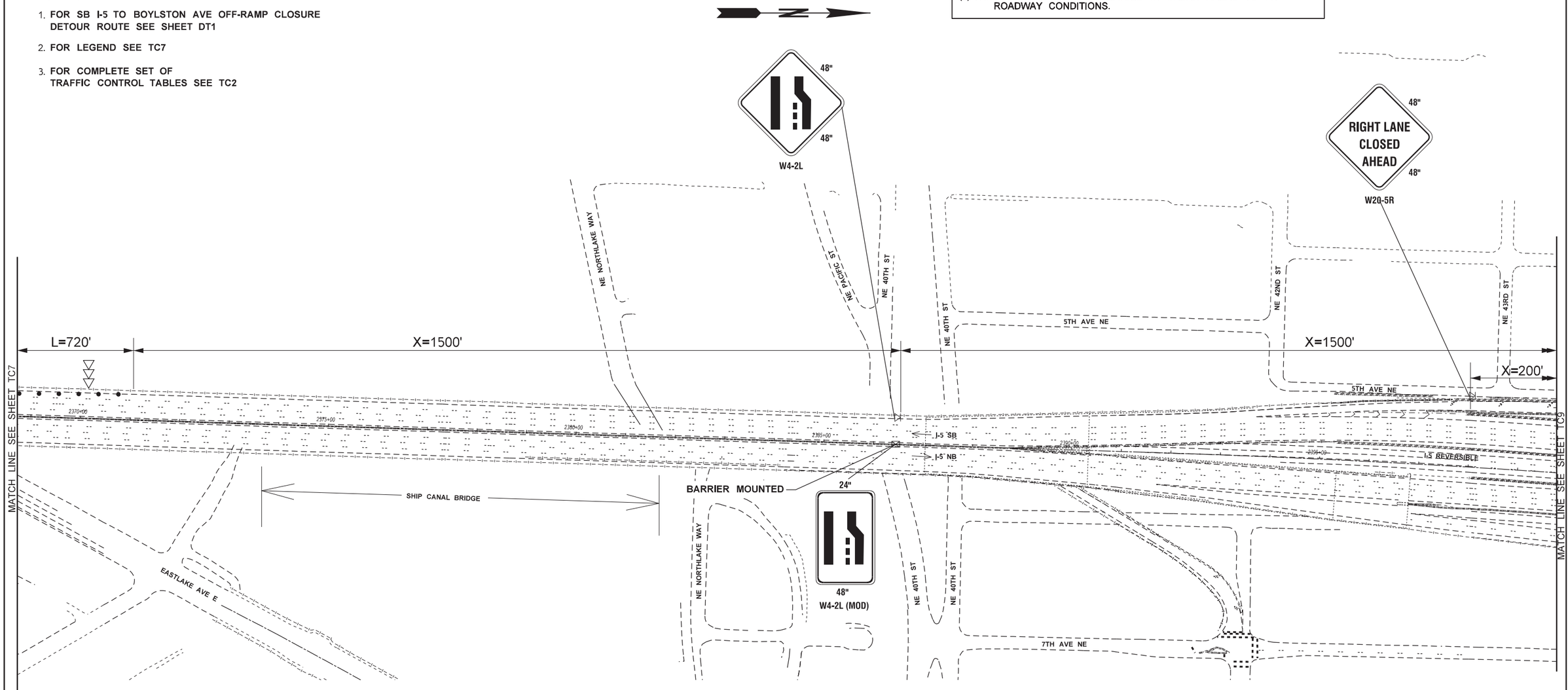
SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

NOTES

1. FOR SB I-5 TO BOYLSTON AVE OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1
2. FOR LEGEND SEE TC7
3. FOR COMPLETE SET OF TRAFFIC CONTROL TABLES SEE TC2



I-5 SB SINGLE LANE AND SB BOYLSTON AVE E OFF RAMP CLOSURE (2 OF 3)

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_1_Typicals.dgn						
TIME	14:31:40						
DATE	12/21/2023						
PLOTTED BY	mangaha						
DESIGNED BY	M.D. LONG						
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
23A009		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TRAFFIC CONTROL PLAN

Plot 12

PLAN REF NO
TC8

SHEET
43
OF
52
SHEETS

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

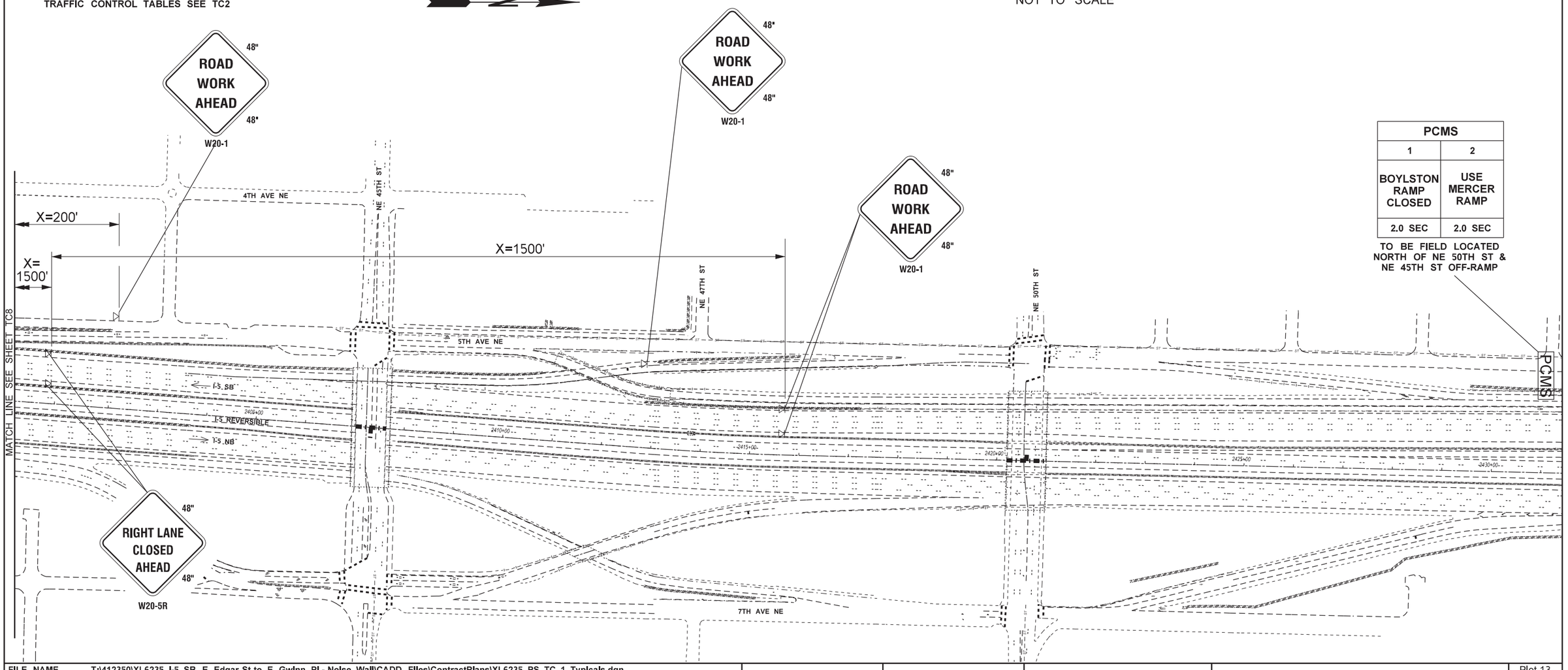
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

NOTES

1. FOR SB I-5 TO BOYLSTON AVE OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1
2. FOR LEGEND SEE TC7
3. FOR COMPLETE SET OF TRAFFIC CONTROL TABLES SEE TC2

I-5 SB SINGLE LANE AND SB BOYLSTON AVE E OFF RAMP CLOSURE (3 OF 3)

NOT TO SCALE



PCMS	
1	2
BOYLSTON RAMP CLOSED	USE MERCER RAMP
2.0 SEC	2.0 SEC

TO BE FIELD LOCATED NORTH OF NE 50TH ST & NE 45TH ST OFF-RAMP

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_1_Typicals.dgn						
TIME	14:31:41						
DATE	12/21/2023						
PLOTTED BY	mangaha						
DESIGNED BY	M.D. LONG						
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
23A009		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

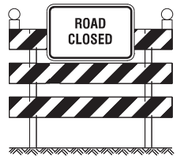
TRAFFIC CONTROL PLAN

Plot 13

PLAN REF NO
TC9

SHEET 44 OF 52 SHEETS

SEC. 20, T. 25N. , R. 4E. W.M.



TYPE III BARRICADE
W/ FLASHING BEACON
R11-2
BLACK/WHITE
48"x30"

1

W20-1

2

R11-1501
48" x 60"
B/W
INSTALL 5 DAYS MIN.
PRIOR TO CLOSURE

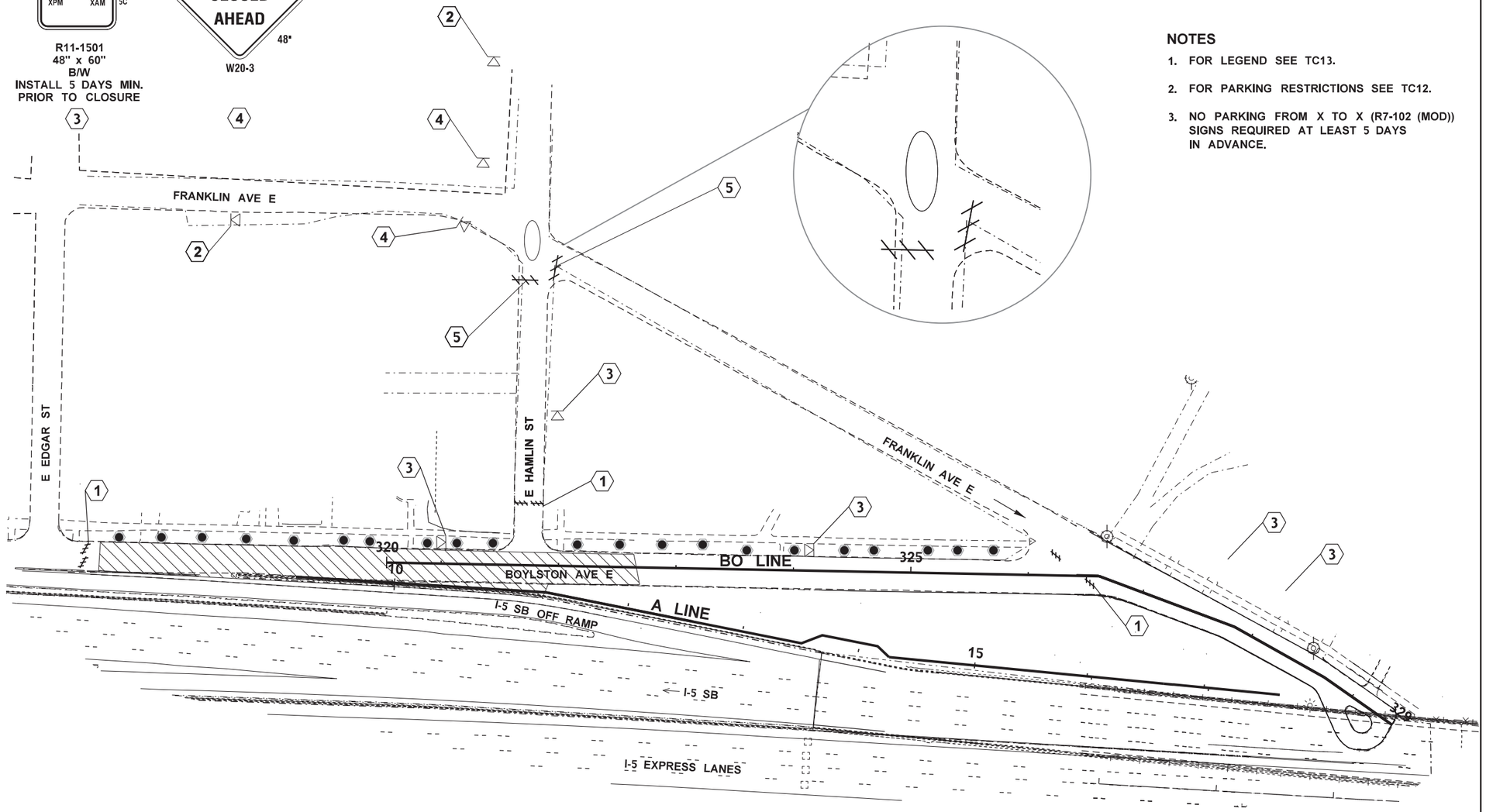
3

W20-3

4

TYPE III BARRICADE
W/ R11-3 (MOD)
W/ TYPE C LIGHTS
BLACK/WHITE
60'X30'

5



NOTES

1. FOR LEGEND SEE TC13.
2. FOR PARKING RESTRICTIONS SEE TC12.
3. NO PARKING FROM X TO X (R7-102 (MOD)) SIGNS REQUIRED AT LEAST 5 DAYS IN ADVANCE.

BOYLSTON AVE E CLOSURE AT E HAMLIN ST

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	07:39:07				10	WASH	
DATE	12/22/2023				JOB NUMBER		
PLOTTED BY	mangaha				23A009		
DESIGNED BY	M.D. LONG				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State
Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TRAFFIC CONTROL PLAN

Plot 1
PLAN REF NO
TC10
SHEET
45
OF
52
SHEETS

SEC. 20, T. 25N. , R. 4E. W.M.

TYPE III BARRICADE
W/ FLASHING BEACON
R11-2
BLACK/WHITE
48"x30"

1

W20-1

2

R11-1501
48" x 60"
B/W
INSTALL 5 DAYS MIN.
PRIOR TO CLOSURE

UPCOMING CLOSURE
DATES & TIME
UPDATED WEEKLY

3

W20-3

4

TYPE III BARRICADE
W/ R11-3 (MOD)
W/ TYPE C LIGHTS
BLACK/WHITE
60'X30'

5

BOYLSTON AVE E CLOSURE AT E HAMLIN ST AND FRANKLIN AVE E

NOT TO SCALE

NOTES

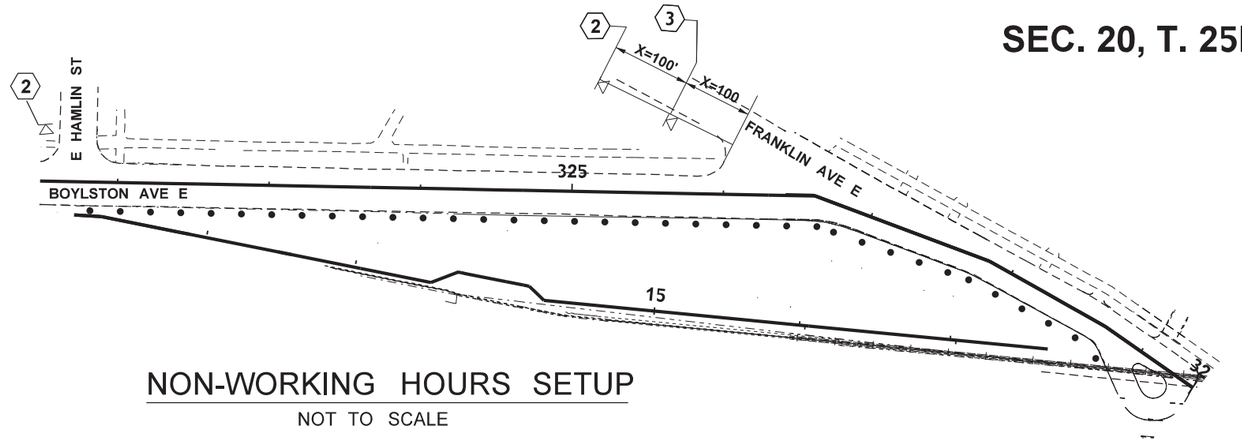
1. FOR LEGEND SEE TC1.
2. SPOTTER WILL ASSIST PEDESTRIANS THROUGH THE WORK AREA.
3. NO PARKING FROM X TO X SIGNS (R7-102 (MOD)) REQUIRED AT LEAST 5 DAYS IN ADVANCE.
4. SEE TC 12 AND TC13 FOR PARKING RESTRICTIONS SETUP.

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Washington State Department of Transportation
TIME	07:39:08				JOB NUMBER 23A009			I-5 SB E EDGAR ST TO E GWINN PL NOISE WALL
DATE	12/22/2023				CONTRACT NO.		LOCATION NO.	TRAFFIC CONTROL PLAN
PLOTTED BY	mangaha							PLAN REF NO TC11
DESIGNED BY	M.D. LONG							SHEET 46 OF 52 SHEETS
ENTERED BY	Y. DAMTE							
CHECKED BY	A. YU							
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY				

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

SEC. 20, T. 25N. , R. 4E. W.M.



NON-WORKING HOURS SETUP

NOT TO SCALE

NOTES FOR THE NON-WORKING HOURS SETUP:

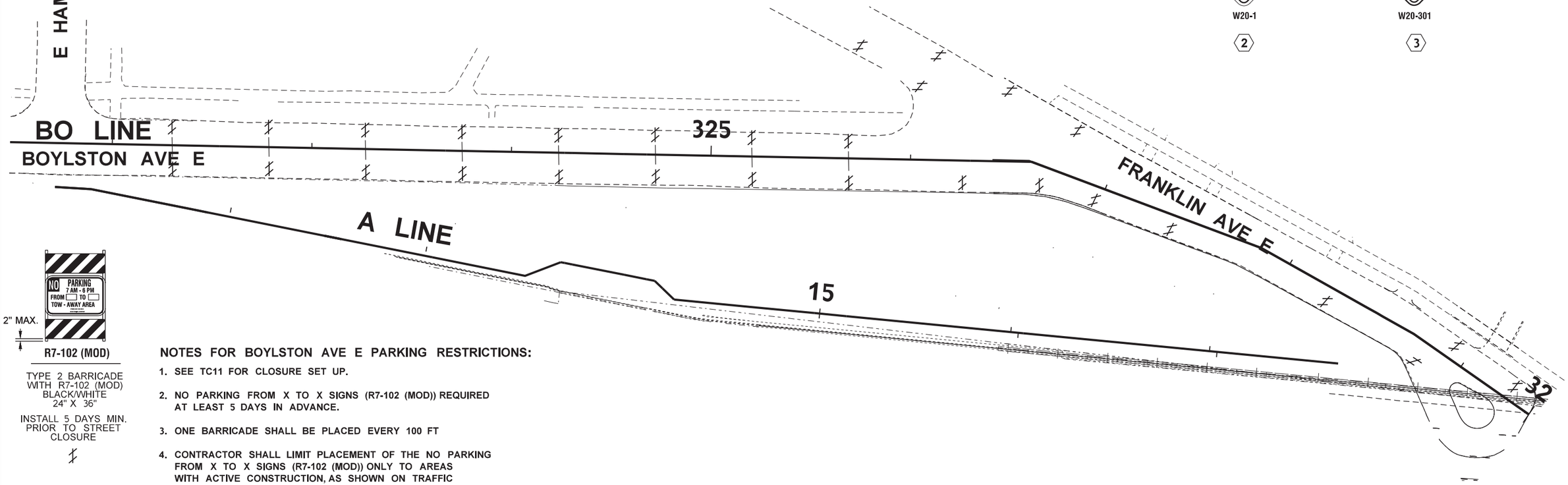
1. FOR LEGEND SEE TC1
2. FOR COMPLETE SET OF TRAFFIC CONTROL TABLES SEE TC2

W20-1

2

W20-301

3



R7-102 (MOD)

TYPE 2 BARRICADE WITH R7-102 (MOD) BLACK/WHITE 24" X 36"

INSTALL 5 DAYS MIN. PRIOR TO STREET CLOSURE

NOTES FOR BOYLSTON AVE E PARKING RESTRICTIONS:

1. SEE TC11 FOR CLOSURE SET UP.
2. NO PARKING FROM X TO X SIGNS (R7-102 (MOD)) REQUIRED AT LEAST 5 DAYS IN ADVANCE.
3. ONE BARRICADE SHALL BE PLACED EVERY 100 FT
4. CONTRACTOR SHALL LIMIT PLACEMENT OF THE NO PARKING FROM X TO X SIGNS (R7-102 (MOD)) ONLY TO AREAS WITH ACTIVE CONSTRUCTION, AS SHOWN ON TRAFFIC CONTROL SHEETS TC10 AND TC11.

BOYLSTON AVE E PARKING RESTRICTIONS SETUP 1

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	07:39:09				10	WASH	
DATE	12/22/2023				JOB NUMBER		
PLOTTED BY	mangaha				23A009		
DESIGNED BY	M.D. LONG				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

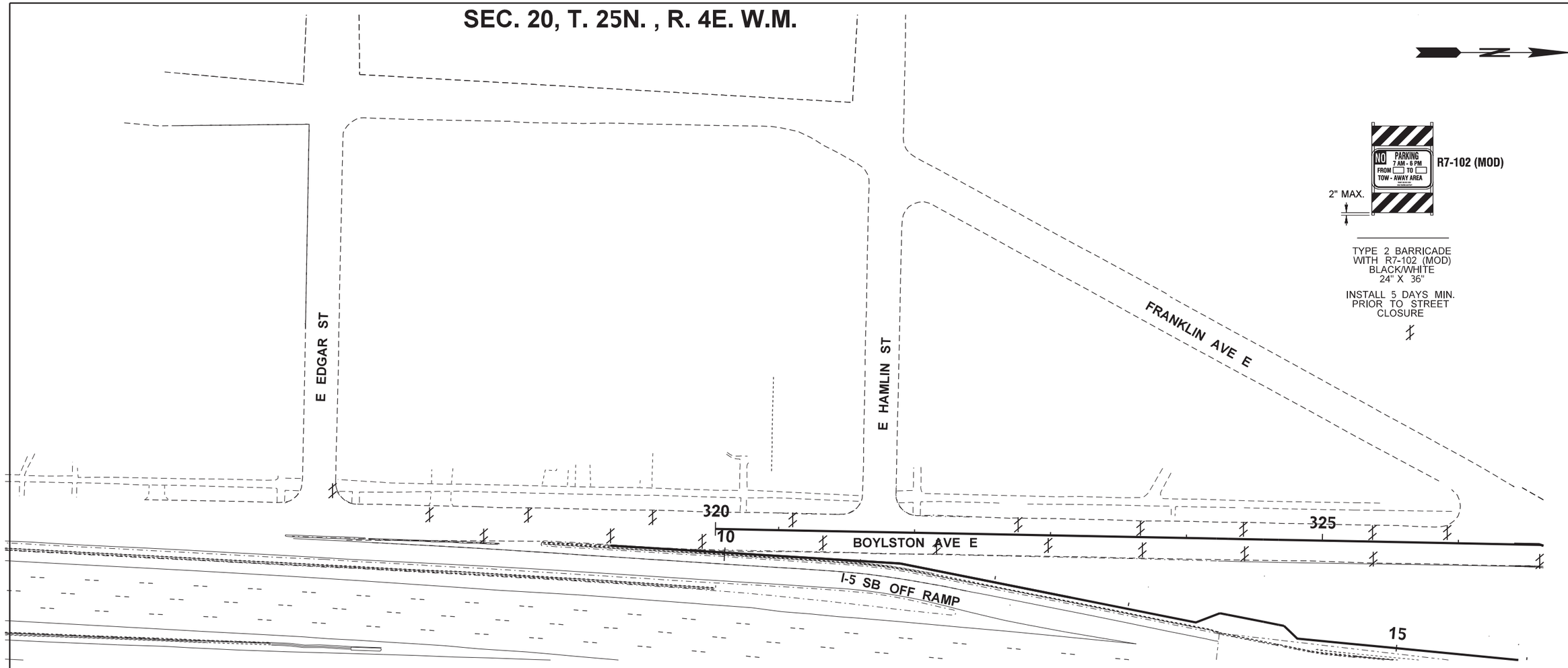
TRAFFIC CONTROL PLAN

Plot 4

PLAN REF NO
TC12

SHEET
47
OF
52
SHEETS

SEC. 20, T. 25N. , R. 4E. W.M.



R7-102 (MOD)

TYPE 2 BARRICADE
WITH R7-102 (MOD)
BLACK/WHITE
24" X 36"

INSTALL 5 DAYS MIN.
PRIOR TO STREET
CLOSURE

BOYLSTON AVE E PARKING RESTRICTIONS SETUP 2

NOT TO SCALE

NOTES

1. SEE TC10 FOR CLOSURE SET UP.
2. NO PARKING FROM X TO X SIGNS (R7-102 (MOD)) REQUIRED AT LEAST 5 DAYS IN ADVANCE.
3. ONE BARRICADE SHALL BE PLACED EVERY 100 FT
4. CONTRACTOR SHALL LIMIT PLACEMENT OF THE NO PARKING FROM X TO X SIGNS (R7-102 (MOD)) ONLY TO AREAS WITH ACTIVE CONSTRUCTION, AS SHOWN ON TRAFFIC CONTROL SHEETS TC10 AND TC11.

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	07:39:11						
DATE	12/22/2023						
PLOTTED BY	mangaha						
DESIGNED BY	M.D. LONG				JOB NUMBER 23A009		
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

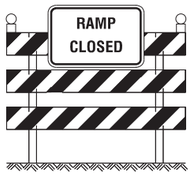
TRAFFIC CONTROL PLAN

Plot 6

PLAN REF NO TC13

SHEET 48 OF 52 SHEETS

SEC. 20, T. 25N. , R. 4E. W.M.



TYPE III BARRICADE
W/ R11-201 SIGN
W/ TYPE C LIGHTS
BLACK/WHITE
48'X30'
(ONE PER LANE)

1

W20-1

2

R11-1501
48" x 60"
B/W
INSTALL 5 DAYS MIN.
PRIOR TO CLOSURE

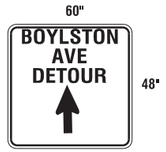
3

W20-301

4

W20-1 (ALT)

5



M4-9R(MODIFIED)

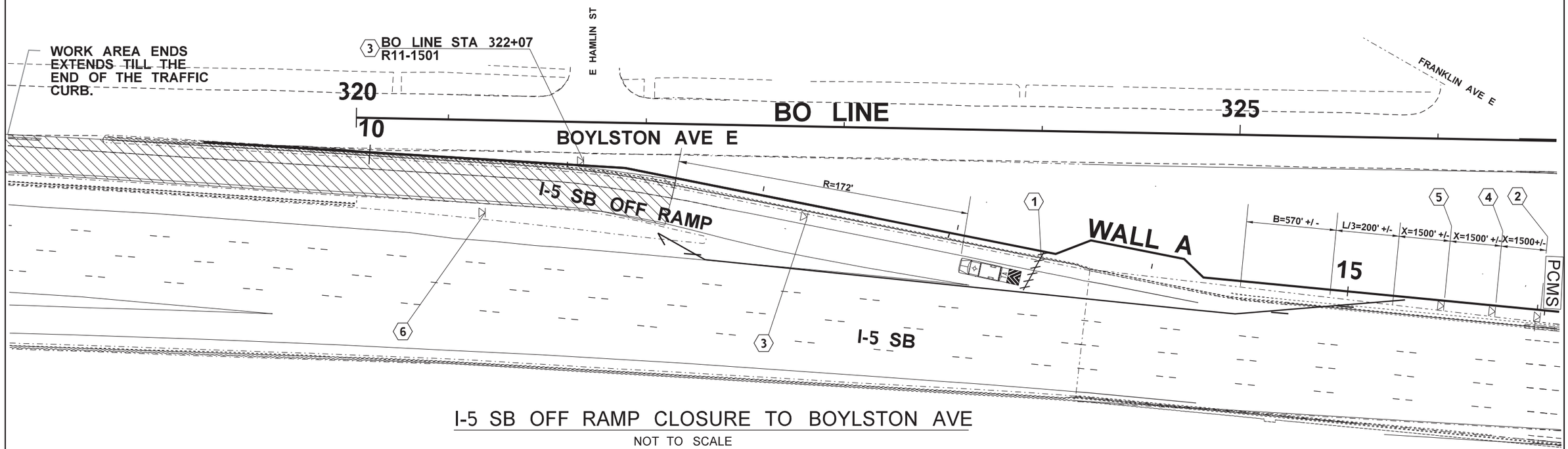
6

NOTES

1. FOR LEGEND SEE TC1
2. FOR SB I-5 TO BOYLSTON AVE E OFF-RAMP CLOSURE DETOUR ROUTE SEE SHEET DT1.
3. SEE TRAFFIC CONTROL PLAN SHEET TC2 FOR SIGN SPACING, CHANNELIZING DEVICE SPACING, AND MINIMUM TAPER LENGTH TABLES.
4. PLACE SIGN (2) AT 45TH ST ON RAMP.

PCMS	
1	2
BOYLSTON RAMP CLOSED	USE MERCER RAMP
2.0 SEC	2.0 SEC

FIELD LOCATE
1 MILE IN ADVANCE
OF CLOSURE SIGNAGE



I-5 SB OFF RAMP CLOSURE TO BOYLSTON AVE

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	4:35:20 PM				10	WASH	
DATE	12/26/2023				JOB NUMBER		
PLOTTED BY	yuangel				23A009		
DESIGNED BY	M.D. LONG				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TRAFFIC CONTROL PLAN

Plot 5

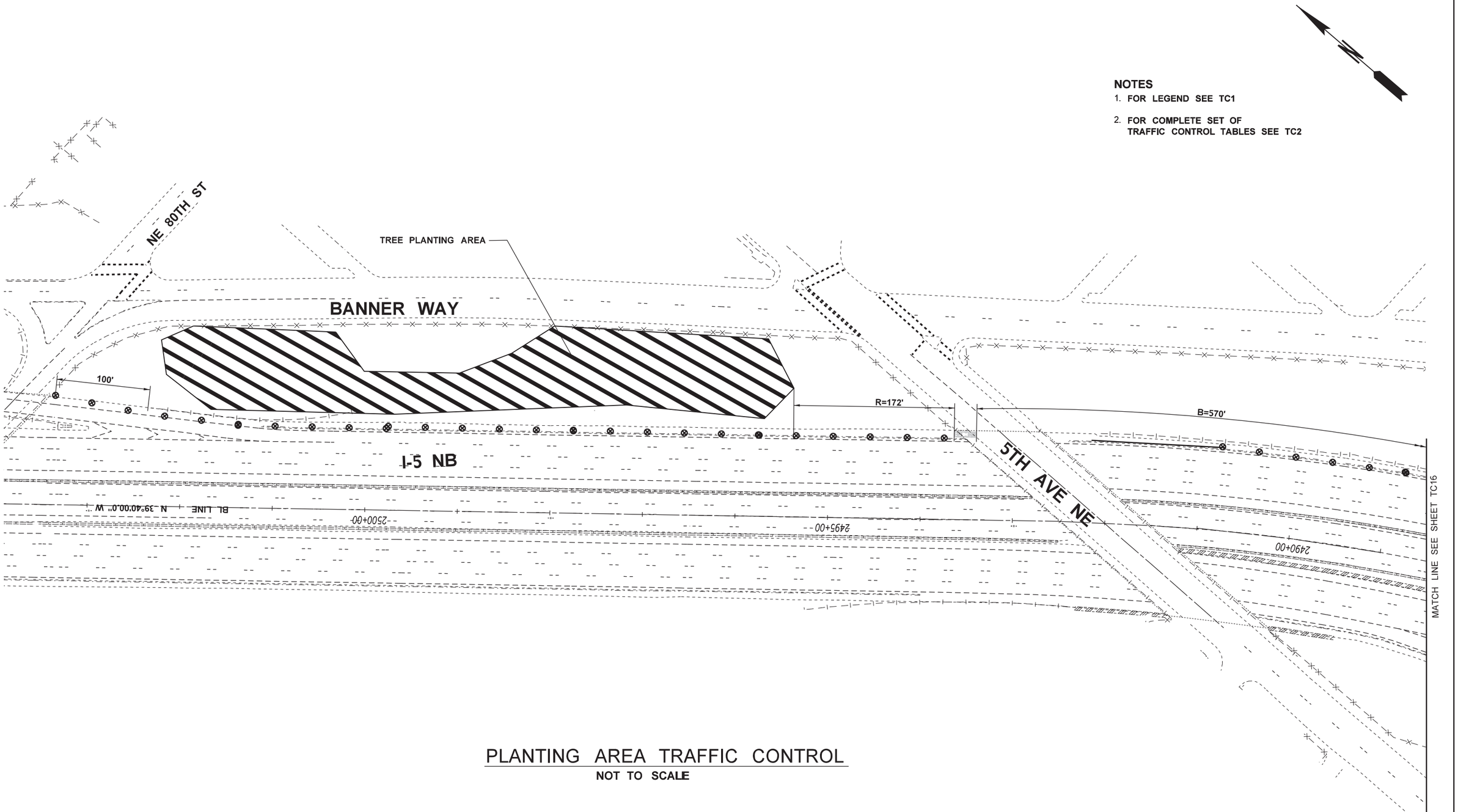
PLAN REF NO
TC14

SHEET
49
OF
52
SHEETS

SEC. 20, T. 25N. , R. 4E. W.M.

NOTES

1. FOR LEGEND SEE TC1
2. FOR COMPLETE SET OF TRAFFIC CONTROL TABLES SEE TC2



PLANTING AREA TRAFFIC CONTROL

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	07:39:14				10	WASH	
DATE	12/22/2023				JOB NUMBER		
PLOTTED BY	mangaha				23A009		
DESIGNED BY	M.D. LONG				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

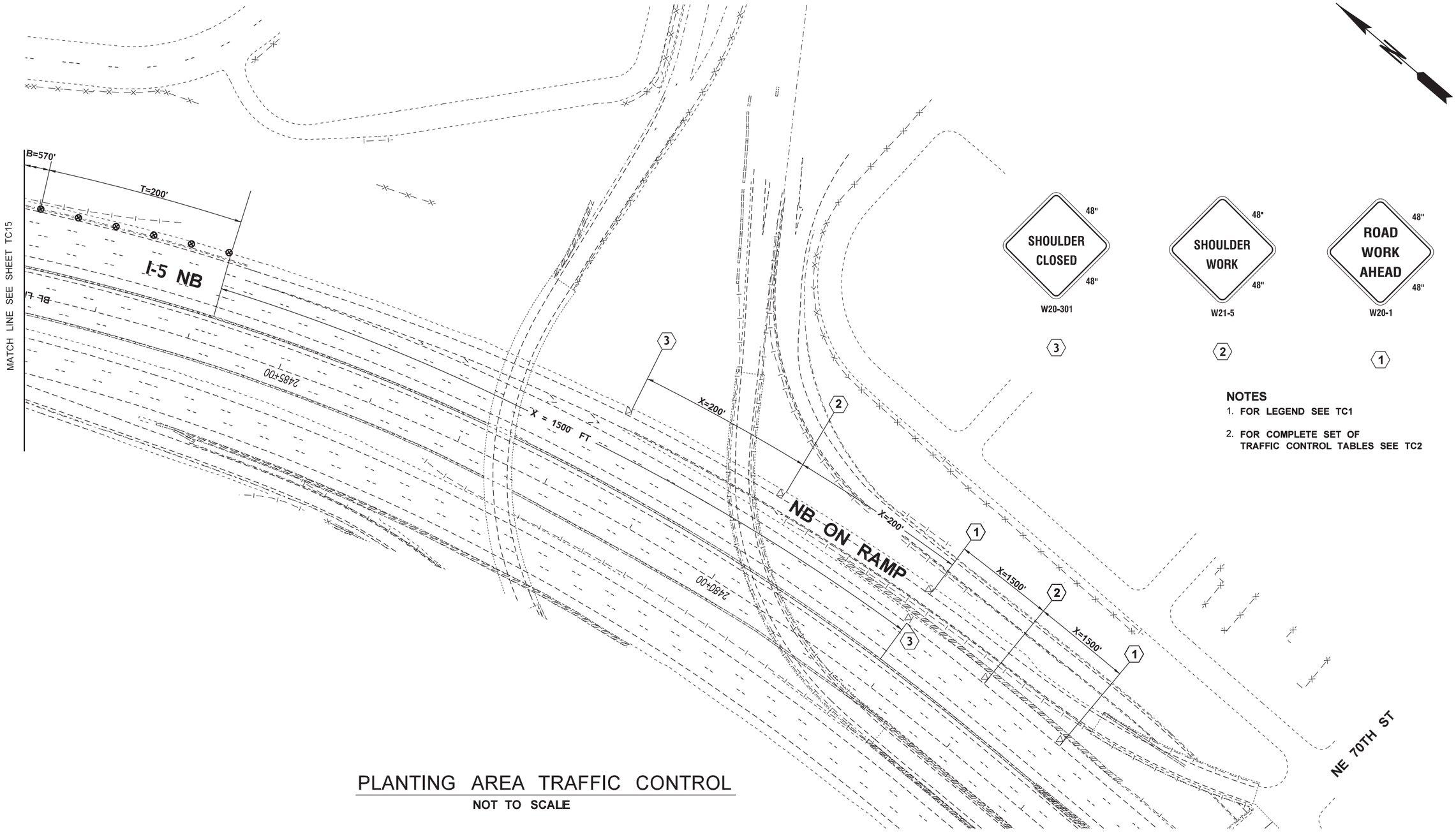
TRAFFIC CONTROL PLAN

Plot 7

PLAN REF NO
TC15

SHEET 50 OF 52 SHEETS

SEC. 20, T. 25N. , R. 4E. W.M.



NOTES

1. FOR LEGEND SEE TC1
2. FOR COMPLETE SET OF TRAFFIC CONTROL TABLES SEE TC2

PLANTING AREA TRAFFIC CONTROL

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_TC_2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	07:39:15						
DATE	12/22/2023				JOB NUMBER 23A009		
PLOTTED BY	mangaha						
DESIGNED BY	M.D. LONG				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

TRAFFIC CONTROL PLAN

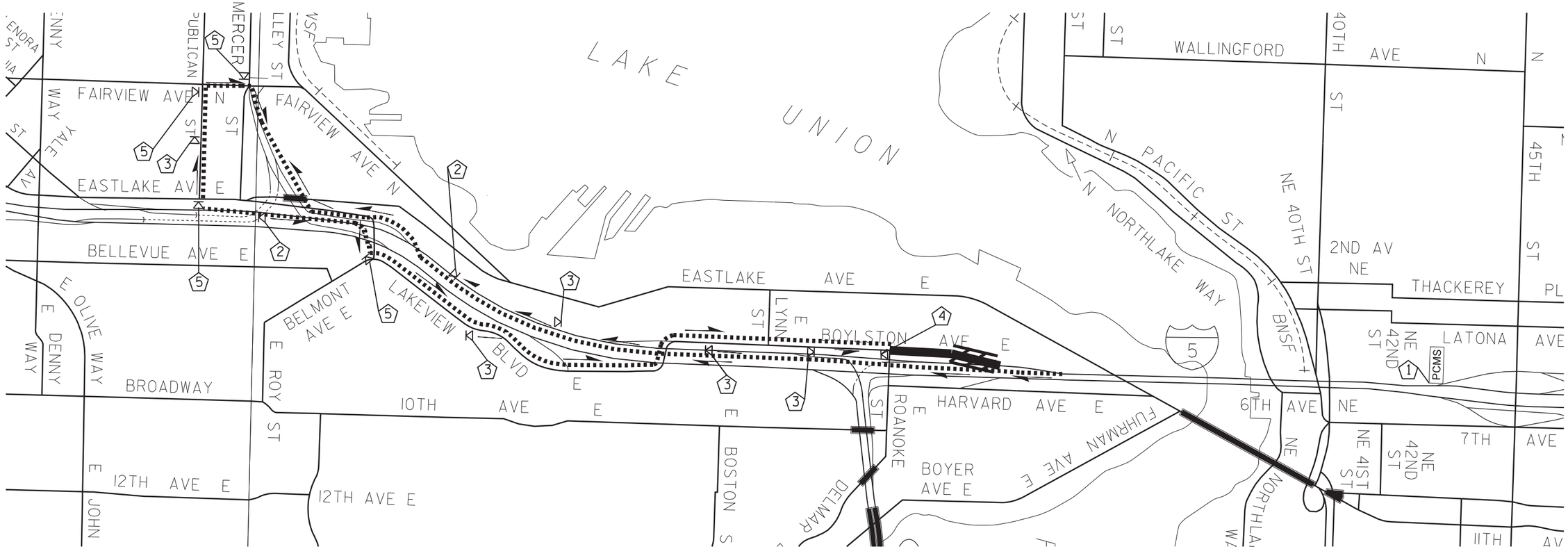
Plot 8

PLAN REF NO TC16

SHEET 51 OF 52 SHEETS

GENERAL NOTES

SEE SHEETS TC1-TC6, TC7-TC9 & TC14 FOR SB I-5 TO BOYLSTON AVE E OFF-RAMP CLOSURE SETUPS.



PCMS	
1	2
BOYLSTON RAMP CLOSED	USE MERCER RAMP
1.5 SEC	1.5 SEC

1

60"
BOYLSTON DETOUR
48"
M4-9R(MODIFIED)

2

60"
BOYLSTON AVE DETOUR
48"
M4-9R(MODIFIED)

3

60"
END DETOUR
48"
M4-9R

4

60"
BOYLSTON DETOUR
48"
M4-9R(MODIFIED)

5

LEGEND

- WORK AREA
- TEMPORARY SIGN LOCATION
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- DETOUR ROUTE

SB I-5 TO BOYLSTON AVE E OFF-RAMP CLOSURE

NOT TO SCALE

FILE NAME	T:\412350\XL6235 I-5 SB E Edgar St to E Gwinn Pl - Noise Wall\CADD Files\ContractPlans\XL6235_PS_DT.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	14:47:45				10	WASH	
DATE	12/21/2023				JOB NUMBER		
PLOTTED BY	mangaha				23A009		
DESIGNED BY	M.D. LONG				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. DAMTE						
CHECKED BY	A. YU						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

I-5
SB E EDGAR ST TO E GWINN PL
NOISE WALL

DETOUR PLAN

Plot 1

PLAN REF NO
DT1

SHEET 52 OF 52 SHEETS

23A009 AD-CopyPlansheetsVol2

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